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Edward Devine,	s.	*Navarino*,	105 University ave
Earlman Fenner,	l. s.	*Center Lisle*,	35 University ave
Seymour Coe Ferris,	c.	*East Worcester*,	105 Univ. ave
Frederick Vining Fisher,	c.	*Brooklyn*,	617 Chestnut
Paul Fitz Gerald,	c.	*Minneapolis, Minn*,	620 Ch'tn't
Frank William Goreth,	c.	*Baldwinsville*,	105 Univ. ave
John Augustus Hamilton,	c.	*Moriah*,	10 McClellan
Benjamin F. Hammond,	c.	*Syracuse*,	71 Croton
Martha Naomi Hayden,	l. s.	*Syracuse*,	102 S. Beech
Frank Stannard Husted,	c. e.	*LeRoy*,	533 Chestnut
William Hosmer Ives,	c.	*Auburn*,	116 University ave
Van Evrie Kilpatrick,	c.	*Marathon*,	105 University ave
Carrie May Lathrop,	l. s.	*New Marlboro, Mass.*,	643 Irv
Ida Vill Lewis,	l. s.	*Lisle*,	*A. Φ.* Chap. House
Arthur Marvin,	c.	*Cooperstown*,	725 Chestnut
Jessie Eugenia McClelland,	s.	*Bloomington, Ind.*,	109 E. Fay
Francis Elliott Oliver,	l. s.	*Syracuse*,	102 University ave
Ada Belle Parker,	s.	*Port Gibson*,	23 Univ. ave
Jennie Upfold Pettit,	s.	*Wabash, Ind.*,	*A. Φ.* Chap. H
Mary Ella Reed,	l. s.	*Seneca Castle*,	3 Marshall
Edward Everett Samuel,	l. s.	*Remsen*,	*Δ. Υ.* Chap. House
Bertha Sabin Sawyer,	c.	*Syracuse*,	98 University ave
Edmund L. Shepherd,	c.	*Flemingville*,	84 Univ. ave
George Fletcher Shepherd,	c.	*Oswego*,	105 University ave
Avery Warner Skinner,	c.	*Mexico*,	*Δ. Υ.* Chap. House
Elmer Ellsworth Smith,	c.	*Dundee*,	255 E. Genesee
Lillie Scoresby Smith,	c.	*Ellenville*,	92 University ave
Horace E. Stout,	s.	*Plainfield, N. J.*,	620 Chestnut
Austianna Eliza Taylor,	c.	*Brooklyn*,	36 South ave
Charles Wesley Tooke,	c.	*Black River*,	120 Univ. ave
Frank David Torrey,	c.	*Vernon*,	*Δ. Υ.* Chap. House

			City Address.
Olin Sylvanus Twist,	c.	*Passaic, N. J.*,	610 Chestnut
Charles Henry Wheeler,	l. s.	*Branchport*,	615 Chestnut
Oscar Rogers Whitford,	c.	*Syracuse*,	2½ Slocum ave
Abbott Yates Wilcox,	c.	*Clifford*,	*Δ. Υ.* Chap. House
Frank Hoyt Wood,	c.	*Westbury*,	105 University ave
Joseph William Young,	l. s.	*Philadelphia, Pa.*,	94 Univ. av

FRESHMAN CLASS.

William Henry Adams,	c.	*DeWitt*,	731 Irving
Kate Leora Abbott,	c.	*Syracuse*,	Madison and Cherry
Edward S. Allis,	c.	*Syracuse*,	106 Court
Charles Hubbard Ball,	s.	*LeRoy*,	533 Chestnut
Willard Henry Ball,	s.	*Syracuse*,	60 Bear
Howard J. Banker,	c.	*Schaghticoke*,	*Δ. Υ.* Chap. H
Thomas Stone Bell,	c.	*Jordan*,	Tallman and Rich
Mary Helen Birdseye,	l. s.	*Pompey*,	621 Chestnut
George Lawrence Bond,	c.	*Cazenovia*,	210 E. Fayette
George Morse Bowns,	c.	*Troy*,	*Δ. Υ.* Chap. H
Louis Dan Brainard,	c. e.	*Waterville*,	627 Chestnut
George Griffin Brownell,	l. s.	*Syracuse*,	125 University ave
Jacob Hagar Carfrey.	l. s.	*Milford, N. J.*,	615 Chestnut
Leon Alanson Carley,	c.	*Homer*,	212 E. Fayette
Harriet Elizabeth Caward,	s.	*Prattsburgh*,	643 Irving
Gertrude Chapman,	s.	*Syracuse*,	247 Madison
Howard Damon Chapman,	l. s.	*Lakeport*,	195 E. Fayette
Edwin Stancliff Churchill,	c.	*Springville*,	173 Adams
Dorr Raymond Cobb,	l. s.	*Ulysses, Pa.*,	634 Chestnut
George F. Cole,	s.	*Syracuse*,	24 Linden
Jennie Dennison Cooper,	s.	*Canandaigua*,	96 Univer. ave
David Francis Costello,	s.	*Fayetteville*,	340 Irving
Charles Squier Coulter,	c.	*Ferrisburgh, Vt.*,	150 Harrison
Warren Adolphus Davey,	l. s.	*Parish*,	*Δ. Υ.* Chap. H
Jesse Theodore Eddy,	c.	*Milford.*	
Emma Younglove Emerson,	s.	*Bath*,	66 Renwick ave
Frank Philip Estabrook,	c.	*Hoosick Falls*,	105 Univ. ave
William Morrison Fanton,	c.	*Danbury, Conn.*,	150 Harrison
George Hammond Ferguson,	c.	*Elmira*,	116 University ave

			City Address.
Albert Eaton Fitch,	c.	*Middletown Spa., Vt.*,	19 Uni. Pl
William Victor Flaherty,	c.	*Chittenango*,	61 Niagara
Edmund L. French,	l. s.	*Syracuse*,	36 South ave
Charles Willis Fyfe,	c.	*Franklin*,	212 E. Fayette
Marcus Louis Glazer,	s.	*Fair Mount, N. J.*,	533 Ch't
Otto Goebel,	c.	*New York*,	109 E. Fayette
Cecil Vaughn Gray,	s.	*Earlville*,	210 Madison
Frank Fellows Gray,	s.	*Elmira*,	202 Madison
Genevra Gwynn,	l. s.	*Throopsville*,	23 Univ. ave
Ella Mahala Hall,	s.	*W. Salisbury, Vt.*,	Irv. & R. av
Charles C. Hard,	l. s.	*Binghamton*,	105 Univ. ave
William Hartel,	c.	*Buffalo*,	173 Adams
Sarah Permelia Hawley,	s.	*Syracuse*,	53 E. Onondaga
Ernest Frederick Herman,	c.	*Fairville*,	9 Marshall
Frederick William Heroy,	c.	*Rhinebeck*,	109 E. Fayette
Grace Seely Hiller,	c.	*Middlebury, Vt.*	214 E. Fayette
Edward Lee Hollett,	c.	*Clifton Springs*,	629 Irving
James Leland Howard,	c.	*New York*,	610 Chestnut
William Hildrup Howe,	s.	*Cazenovia*,	289 Grape
Chester Janes Hoyt,	c.	*Highland*,	179 Adams
Louis Roberts Hunter,	l. s.	*Sterling*,	
Sherburn Cilley Hutchinson,	c.	*East Orange, Vt.*,	177 Adams
Olin Clay Kellogg,	c.	*Homer*,	9 Marshall
Annie May Knapp,	l. s.	*Binghamton*,	92 Univ. ave
Louis Philip Lang,	s.	*Syracuse*,	74 Catharine
Fred M. Lawrence,	l. s.	*Port Jervis*,	124 E. Fayette
Arthur Gordner Leacock,	c.	*Norwich*,	725 Chestnut
Mary Gertrude Leete,	l. s.	*Morrisville*,	721 Chestnut
William Dodge Lewis,	c.	*Canton*,	141 Harrison
Raymond Wright Lowry,	c.	*Green Grove, Pa.*	150 Harrison
Jessica Beatrice Marshall,	l. s.	*Waterloo*,	447 Irving
Mary Luella Masters,	s.	*Thornton, Ind.*,	23 Univ. ave
Stella Elizabeth McIntyre,	s.	*Clyde*,	96 University ave
Ina Delia Mercer,	l. s.	*Syracuse*,	40 Montgomery
Herbert Sumner Miller,	c.	*Avon*,	179 Adams
Frank Newkirk,	c. e.	*Syracuse*,	630 Chestnut
Louise Nicholson,	l. s.	*Jordan*,	447 Irving
Elliott Judd Northrup,	c.	*Syracuse*,	33 Greene

			City Address.
William Godfrey Noyes,	c.	*Diana*,	105 University ave
William Charles O'Donnell,	c	*Brooklyn*,	179 Adams
Eleanor Louise Orr,	c.	*Syracuse*,	128½ Harrison
Everett Partidge,	l. s.	*Edinburgh, Δ. T.* Chap. House	
Stephen Henry Payne,	s.	*Elmira*,	210 E. Fayette
Dee Wolcott Pierce,	s.	*Central Square*,	3 Douglass
Mary Sophia Pitkin,	c.	*Syracuse*,	38 Madison
Frank Le Roy Purdy,	c.	*Tonawanda*,	260 E. Genesee
Joseph Reynolds,	l. s.	*Watertown*,	78 University ave
James M. Rhodes,	s.	*Frankfort, Kan.*,	248 E. Gen
Jonas Merriam Rice,	c.	*Otisco*,	141 Harrison
Lepine Hall Rice,	l. s.	*Brookline, Mass.*,	179 Adams
Edward Dunbar Rich,	c. e.	*Marcellus*,	113 Delaware
Perthenia Weeks Root,	s.	*Cooperstown*,	725 Chestnut
Georgia Ross,	l. s.	*Amsterdam*,	741 Chestnut
William Henry Rowe,	l. s.	*Troy*,	630 Chestnut
Arthur Sylvester Ruland,	l. s.	*Syracuse*,	124 E. Fayette
James Brownleé Sanford,	s.	*Syracuse*,	29 University Place
Lewis Sauerbrei,	c.	*Dormansville*,	109 E. Fayette
Philip Frank Schneider,	l. s.	*Syracuse*,	53 Jackson
M. Elizabeth Scott,	s.	*Syracuse*,	136 Harrison
Adelbert Sheldon,	c. e.	*Royalton*,	105 University ave
Earl Dorman Shepard,	c.	*LeRoy*,	533 Chestnut
Fred Webster Sherwin,	s.	*Canton*,	141 Harrison
Charles Allen Smith,	c.	*Nelson*,	629 Irving
William Hemans Smith,	c.	*Collamer*,	169 Harrison
Frank Lincoln Stevens,	s.	*Syracuse*,	141 Harrison
Arthur Oscar Sykes,	c.	*Buffalo*,	260 E. Genesee
Violet Martha Telfer,	s.	*Syracuse*,	620 Chestnut
Mary S. Trowbridge,	s.	*Camillus*,	3 Searles Blk, Jeff.
Luther Ogden Wadleigh,	c.	*Potsdam*,	Mar'l and Com. ave
Frederick Hiram Watkins,	c.	*Pompey*,	210 E. Fayette
Frederick Grant Whitney,	c.	*Pulaski*,	105 University ave
Jessie Æolia Whyborn,	l. s.	*Syracuse*,	54 Lemon
Charles Frederick Wiley,	s.	*Syracuse*,	66 Greene
Helen Mabel Wood,	c.	*Savannah*,	96 University ave
Olin W. Wood,	l. s.	*No. Urbana*,	615 Chestnut
Joseph Arthur Wright,	c.	*Hagaman's Mills*,	Irv. & R. av

UNCLASSIFIED.

			City Address,
Sara Abell Beers,		*Rome,*	96 University ave
Mary Augusta Carpenter,		*Syracuse,*	131½ E. Genesee
Fannie Louise Case,	l. s.	*Rochester,*	613 Irving
Carey Roscoe Chester,	s.	*Schenevus,*	142 E. Jefferson
Hiram Lincoln Church,	c.	*Massena,*	518 Irving
Orator Fuller Cook,	c.	*Clyde,*	Marshall and Com. ave
Amy Isabel Cooper,	l. s.	*Syracuse,*	Walnut Pl
Alfred Darling Cushing,	c.	*Rochester,*	615 Chestnut
Henry Danziger,	l. s.	*Syracuse,*	141½ E. Genesee
Stella Jennie Dodge,	s.	*Middlebury, Vt.*	195 E. Gene'e
William Henry Dower,	l. s.	*Syracuse,*	205 Grape
Henry Wells Duguid,	l. s.	*Syracuse,*	110 E. Genesee
Clara May Eastman,	c.	*Belleville,*	168 Adams
Martin Luther Estey,	g. s.	*Palmyra,*	6 Raynor ave
Edwin Hall Gaggin,		*Erie, Pa.,*	260 E. Genesee
Verner Simpson Gaggin,		*Erie, Pa.,*	260 E. Genesee
John Adrian Gardner,	s.	*Andrews Settlement, Pa.,*	9 Marshall
Harry Joshua Hamlin,		*Saratoga Spa.,*	31 W. Castle
Charles Mynderse Herrick,	c.	*Syracuse,*	8 Kenyon Block
John Edward Hoick,	l. s.	*Oswego,*	9 Marshall
Everett Carlisle Johnson,		*Syracuse,*	3 Hoes Block
Mary Augusta Jones,	c.	*Lebanon, Ill.,*	72 Montgomery
Franklin Cheney Keyes,	l. s.	*Laurens,*	10 McClellan
Katharine McFall,	s.	*Montrose, Pa.,*	
Frank Lincoln Mead,	c.	*Kirkville,*	5 Monroe
Warner Abbott Miles,	c.	*Vesper,*	
Olin Coit Mirteenes,	s.	*Sparrowbush,*	216 E. Fayette
David Casler Monroe,	c.	*Cazenovia,*	422 Chestnut
Helcias de Oliveira,	c. e.	*San Paulo, Brazil,*	Empire House
Lewis R. Palmer,	s.	*Clyde,*	106 University ave
Eliza Hamilton Pettit,	l. s.	*Wabash Ind.,*	*A. Φ.* Chap. H
Samuel Seymour Phelps,		*Hannibal,*	236 Grape
Peter Frederick Piper,	s.	*Herkimer,*	210 Madison
Nellie King Reilay,	l. s.	*Syracuse,*	295 E. Washington

			City Address.
Edward Cosgrove Ryan,	l. s.	*Redwood*,	250 E. Washington
John Joseph Ryan,	l. s.	*Syracuse*,	98 Gifford
Mina Sakurai,		*Tokio, Japan*,	152 S. West
Isaac Schwartz,	c. e.	*Syracuse*,	116 Burnet
Fanny Amelia Sheldon,	s.	*Lowville*,	214 E. Genesee
J. Wilbor Somerville,	c.	*Johnsburgh, N.Y.*	Chap. House
M. Jennie Stevens,		*Danbury, Conn.*	
Frances McNaughton Stewart,		*Yates*,	168 Adams
Masayashi Takaki,	l. s.	*Yokohama, Japan, N. Y.*	Ch. H
William Summer Teall,		*Syracuse*,	61 E. Fayette
Judson L. Transue,	c.	*Liverpool.*	
Seward N. Transue,	c.	*Liverpool.*	
Charles Champion Tucker,	s.	*Pembroke, Ont.*,	202 Madison
Robert William Wilde,	s.	*Ripon, Wis.*,	630 Chestnut
Mary Eugenia Wright,		*Hagaman's Mills*,	Irv. & R. av

College of Medicine.

Faculty of the College of Medicine.

REV. CHARLES N. SIMS, D. D., LL. D.,
CHANCELLOR.

NELSON NIVISON, M. D.,
Emeritus Professor of Physiology and Hygiene.

HENRY D. DIDAMA, M. D., DEAN,
Professor of Science and Art of Medicine and Clinical Medicine.

WM. T. PLANT, M. D.,
Professor of Pediatrics.

ALFRED MERCER, M. D., TREASURER,
Professor of State Medicine.

WM. MANLIUS SMITH, M. D.,
Professor of Chemistry and Botany.

JOHN VAN DUYN, M. D.,
Professor of Surgery.

GAYLORD P. CLARK, M. D.,
Professor of Anatomy.

WM. H. DUNLAP, M. D., REGISTRAR,
Professor of Dermatology.

JOHN L. HEFFRON, M. D.,
Professor of Materia Medica and Therapeutics.

HENRY B. ALLEN, M. D.,
Professor of Obstetrics.

A. CLIFFORD MERCER, M. D., LIBRARIAN,
Professor of Pathology.

HENRY L. ELSNER, M. D.,
Professor of Clinical Medicine.

DAVID M. TOTMAN, M. D.,
Professor of Clinical Surgery.

FRANK W. MARLOW, M. D.,
Professor of Ophthalmology and Otology.

MARTIN A. KNAPP, A. M.,
Lecturer on Forensic Medicine.

NATHAN JACOBSON, M. D.,
Lecturer on Laryngology and Clinical Surgery.

ARTHUR B. BREESE, M. D.,
Lecturer on Histology.

HORACE D. BABCOCK, M. D.,
Lecturer on Physiology.

J. C. CARSON, M. D.,
Lecturer on Mental Diseases.

AARON B. MILLER, M. D.,
Instructor in Gynæcology.

SCOTT OWEN, M. D.,
Instructor in Anatomy.

HENRY H. PEASE, M. D.,
Instructor in Anatomy.

REUBEN C. HANCHETT, M. D.,
Instructor in Materia Medica.

FRED W. SEARS, M. D.,
Instructor in Histology.

FRANK E. BROOKS, M. D.,
Instructor in Physiology.

CENSORS.

S. M. HIGGINS, M. D., Memphis.
J. N. ARNOLD, M. D., Clyde.
ISAAC N. GOFF, M. D., Cazenovia.

Students.

THIRD YEAR.

		City Address.
Eleanor McAllister,	*Newburgh,*	745 Chestnut
Nathan A. Monroe,	*Auburn,*	331 Irving
Arthur B. Rood,	*South Cortland,*	313 Lemon
Allen M. Smith,	*Syracuse,*	29 Holland

SECOND YEAR.

Theresa L. Bannan,	*Syracuse,*	141 Marcellus
S. Boyce Crayton,	*Spartanburg, S. C.,*	83½ James
Wm. H. May,	*Syracuse,*	126 E. Fayette
Chas. E. McLean,	*Syracuse,*	85 Prospect ave
Nicholas L. Mulvey,	*Camillus,*	Coll. of Medicine
John C. Shoudy,	*Syracuse,*	333 W. Genesee
Wm. A. Strohmenger,	*Auburn,*	313 Lemon
James Touhey,	*Monterey,*	38 E. Fayette
Frank A. Welch,	*Syracuse,*	Grant ave. n. Ridgeway
Walter J. Werfelman,	*Syracuse,*	2 University ave

FIRST YEAR.

Charles H. Benson,	*Syracuse,*	192 Montgomery
W. H. Dower,	*Syracuse,*	205 Grape
J. H. Dunn,	*Liverpool,*	Coll. of Medicine
Fred. S. Fay,	*E. Onondaga,*	Coll. of Medicine
W. C. Gallagher, Jr.,	*Slaterville,*	Coll. of Medicine
Elizabeth C. Gilkison,	*Brooklyn,*	193 James
Wm. B. Harlow,	*Syracuse,*	14 E. Castle
George T. Head,	*Syracuse,*	3 Kennedy

		City Address.
Charles F. Hitchcock,	*Warners,*	634 Chestnut
Charles P. Lynch,	*Syracuse,*	71 James
Adelbert W. Marsh,	*E. Syracuse,*	Coll. of Medicine
Luella M. Masters,	*Thornton, Ind.,*	92 University ave
Warner A. Miles,	*Vesper,*	123 Gifford
Herbert C. Pharis,	*Syracuse,*	21 Emerson ave
Frank J. Rupp,	*Syracuse,*	66 McBride
C. W. Stryker,	*Syracuse,*	1 Sabey Place

UNCLASSIFIED.

Frank M. Arnold,	*Gilbertsville,*	167 E. Fay'te
W. B. Christopher,	*Whitney's Point,*	63 Mulb'ry
Patrick J. Cody,	*Syracuse,*	66 Ulster
Carlos V. J. Doolittle,	*Paris,*	Coll. of Medicine
Merritt B. Kingsley,	*Rome,*	College of Medicine
M. Sheldon Lord,	*Smithville,*	331 Irving
Hamilton W. Swift,	*Syracuse,*	31 Fayette Park

College of Fine Arts.

Faculty of the College of Fine Arts.

REV. CHARLES N. SIMS, D. D., LL. D.,
CHANCELLOR.

GEORGE F. COMFORT, A. M., DEAN,
Professor of Esthetics and of the History of the Fine Arts.

WILLIAM H. SCHULTZE, MUS. D.,*
Musical Director and Professor of Theory and Practice of Music.

NEWTON A. WELLS, M. P.,
Professor of Drawing and Water Color Painting.

GEORGE A. PARKER,
Professor of the Piano and Organ.

KATE E. STARK,
Professor of Vocal Music.

ELLA I. FRENCH, MUS. B.,
Instructor upon the Piano.

R. FRANK DALLAS, M. P.,
Instructor in Oil Painting and Modeling.

FREDERICK C. LYFORD, B. P.,
Instructor in Perspective and Freehand Drawing.

ALBERT KUENZLEN,
Instructor upon the Violin and Piano.

*Deceased.

Students.

POST-GRADUATES.

			City Address.
Kate Stella Burr, B. Mus.,	m.	*Syracuse,*	158 S. Salina
Ruth E. Guibault, B. Mus.,	m.	*Syracuse,*	106½ Harrison
Charlotte N. Hardee, B. Mus.,	m.	*Cazenovia.*	
Minnie B. Harrington, B. P.,	p.	*Syracuse,*	180 E. Adams

SENIOR CLASS.

Nellie Elvena Angell, p., s.	m.	*Ilion,*	92 University ave
Kate Armistead Crawford,	m.	*Syracuse,*	*A. Φ.* Chap. H
Mary Amelia Day,	p.	*Waterloo,*	92 University ave

JUNIOR CLASS.

Conrad Louis Becker,	s. m.	*Vine Valley,*	275 E. Genesee
Sylvia Hortense Bliss,	s. m.	*Calais, Vt.,*	27 East Avenue
Emma Brigham,	s. m.	*Syracuse,*	88 S. Salina
Ellen Louisa Bryant,	m.	*Shekomeko,*	741 Chestnut
Margaret May Clarke,	s. m.	*Elbridge,*	731 Irving
Lucian Adalbert Davison,	p.	*Cigarville,*	22 Cedar
Carrie May Dixson,	m.	*Syracuse,*	23 University ave
Charles Winfred Douglas,	s. m.	*Oswego,*	Coms'k av. c. Marshall
Alice Scott Dunn, p.,	s. m.	*Syracuse,*	Dunn Park
Lettie Clarissa Farwell,	m.	*Franklinville,*	643 Irving

The abbreviation p. indicates that the student is taking the regular Course in Painting; ar., the regular Course in Architecture; m, the regular Course in Music. s. p., s. ar., or s. m., indicates a special Course in Painting, Architecture or Music.

			City Address.
Walter B. Hancock,	s. ar.	*Fargo, Dac.*,	105 Univ. ave
Harriet Jacobson,	s. m.	*Syracuse*,	29 E. Jefferson
Carrie Pauline Jennings,	s. m.	*Fulton*,	23 University ave
Ruth Kellogg Kingsley,	s. p.	*Syracuse*,	317 N. Salina
Anna E. Leonard,	p., s. m.	*Syracuse*,	230 Madison
George Thomas Lewis,	s. ar.	*Buffalo*,	317 Irving
Mabel W. McClelland,	s. m.	*Crawfordsville, Ind.*,	109 E. Fay
Alma Laura McMath,	m.	*Webster*,	99 Irving
Bertha Grace Oviatt,	s. p., s. m.	*Cleveland, O.*,	23 Univ. ave
Mary Amelia Smith,	p., s. m.	*Syracuse*,	232 Madison
Blanche Stevens,	s. m.	*Syracuse*,	143 E. Genesee
Grace E. Townsend,	m.	*Syracuse*,	204 Madison
Albert G. Vredenberg,	m.	*Mt. Vernon*,	648 Chestnut
Genette Wandell,	s. p.	*Phœnix*,	522 Chestnut
Anna Belle Webster,	m.	*Apulia*,	647 Irving
Florence A. Wright,	p., s. m.	*Syracuse*,	The Florence

SOPHOMORE CLASS.

Esther Harriet Avery,	s. p.	*Syracuse*,	228 Madison
Nellie Ruth Bainbridge,	p.	*Syracuse*,	160 Center
Burt LeGrand Bentley,	s. m.	*Homer.*	
Geneva Maud Brand,	s. m.	*Syracuse*,	27 Almond
Anna Louisa Brown,	p.	*Marathon*,	648 Chestnut
Grace Edith Cagwin,	s. p.	*Verona*,	92 University ave
Nettie May Campbell,	m.	*Seneca Castle, A. Φ* Chap. H	
Frank L. Chamberlain,	s. m.	*Syracuse*,	Nicholson Block
Jessie Ruth Coe,	s. p.	*Syracuse*,	192 E. Genesee
Edith F. Countryman,	p.	*Springville*,	248 E. Genesee
Marion Elizabeth Coville,	m.	*Syracuse*,	118 Lodi
Fanny May Cowles,	s. m.	*Georgetown.*	
Alton Eugene Darby,	s. m.	*Homer.*	
Mary Winona Dennis,	m.	*Syracuse*,	210 Madison
Zoë Worthington Fiske,	s. p.	*Ithaca*,	31 The Florence
Cornelia Comstock Green,	s. p.	*Syracuse*,	81 James
Gertrude M. Hamlin,	s. m.	*Hamilton, Pa.*,	19 Univ. Place
Elizabeth S. Keefe,	s. m.	*Oswego.*	
Jessie McCord,	s. m.	*Liverpool.*	

			City Address.
Harriet Maude Miller,	p.	*Syracuse,*	187 E. Genesee
Katharine Elizabeth Miller,	p.	*Syracuse,*	187 E. Genesee
Caroline Eliza Morton,	s. m.	*Hartfort, Ct.,*	59 Univ. ave
Jennie Munro,	s. m.	*Philadelphia,*	21 Gazelle
Mary Johnson Nash,	s. m.	*Cortland,*	33 Univ. Pl.
Blanche G. O'Connor,	s. p., s. m.	*Syracuse,*	7 May Place
Frances Electa Phillips,	s. m.	*Syracuse,*	328 S. Salina
Mary Lincoln Quivey,	s. m.	*Baldwinsville.*	
Lillian Blanche Root,	m.	*Cooperstown,*	725 Chestnut
Martha M. Schultze,	s. m., s. p.	*Syracuse,*	4 Greenway Place
Margaret Ann Sexsmith,	s. m.	*Syracuse,*	55 University ave
Sarah Silversteen,	s. m.	*Syracuse,*	1 May Place
Mary Louisa Slee,	p.	*Auburn,*	745 Chestnut
Ida Amanda Stone,	s. p.	*Potsdam,*	17 Univ. Place
Horace Stout,	s. m.	*Plainfield, N. J.,*	620 Chest't
Anna Pomeroy Terry,	s. m.	*Syracuse,*	214 E. Genesee
Mary Olive Westcott,	s. p.	*Perry,*	214 E. Genesee
Gordon Almond Wright,	ar., s. m.	*Massena,*	141 Harrison

FRESHMAN CLASS.

Clara Belle Alvord,	s. m.	*Cheyenne, Wyo.,*	63 Jackson
Elsa Lovina Ames,	p.	*Syracuse,*	26 Gazelle
Jennie Annable,	s. m.	*Syracuse,*	33 University Pl
Jeannette Elizabeth Atwell,	p.	*Syracuse,*	96 University ave
Blanche Rose Baxter,	s. p.	*Syracuse,*	273 E. Genesee
Verna Irene Beardsley,	s. m.	*Little Meadows, Pa.,*	Wal't Pl
Emma Godfrey Beasley,	p.	*Brooklyn,*	112 University ave
Williston Wesley Bissell,	m.	*Olean,*	533 Chestnut
Martha Pulver Boyd,	s. m.	*Sodus,*	23 University Place
Francis Fish Brewer,	s. p.	*Syracuse,*	618 Irving
Sarah Lillian Byington,	s. m.	*Fayetteville,*	6 Raynor
Lillian Byrnes,	m., s. p.	*Warners,*	114 University ave
Leon Alanson Carley,	s. m.	*Homer,*	212 E. Fayette
Grace Louise Carpenter,	p.	*Syracuse,*	229 Madison
Marcia Aurelia Carpenter,	m.	*Syracuse,*	284 E. Fayette
Martha Celette Carter,	p.	*Oneida,*	636 Irving
Fanny Louise Case,	s. p.	*Rochester,*	775 Irving

			City Address.
Alice Susan Colton,	s. p., s. m.	*Syracuse*,	10 Merriman ave
Emma Minerva Connell,	s. p.	*Fulton*,	43 McClellan
Ada Crabtree,	s. p.	*Syracuse*,	5 West Castle
May Louise Crouse,	s. m.	*Memphis*,	26 East Onondaga
Henry Danziger, Jr.,	s. m.	*Syracuse*,	141 E. Genesee
Stella Danziger,	s. m.	*Syracuse*,	82 Warren
EstellaVerona Devine,	s. p. s. m.	*Binghamton*,	283 E. Genesee
Mina Ethelind Dewey,	s. m.	*Oneida*,	631 Irving
Frances Hart Dunn,	p.	*Syracuse*,	134 E. Genesee
Kate Ellis,	s. p.	*Laona*,	33 University Place
Edith Elizabeth Emens,	s. p.	*Fulton*,	37 Montgomery
Grace Lockwood Ferris,	m.	*De Witt*,	156 Harrison
Paul FitzGerald,	s. m.	*Minneapolis, Minn.*,	620 Ches't
Edwin Hall Gaggin,	ar.	*Erie, Pa.*,	260 E. Genesee
Vernon Simpson Gaggin,	ar.	*Erie, Pa.*,	260 E. Genesee
Marion Eselma Granger,	s. m.	*Syracuse*,	126 Marcellus
George Washington Gray,	m.	*East Springfield*,	336 Chestnut
Frances E. Gregory,	s. p., s. m.	*Geneva*,	204 Madison
Elizabeth Hale,	m.	*Skaneateles*,	255 E. Genesee
Albert Eugene Hall,	p.	*West Salisbury, Vt.*,	1 Irv. Pl
Joseph Hamburger,	s. m.	*Syracuse*,	138 E. Jefferson
Charles Lawrence Hamer,	s. m.	*Elmira*,	48 Castle
Inez Roxana Hamilton,	s. m.	*Syracuse*,	21 Yates Terrace
Minnie Hamilton,	s. p.	*Central Square*,	21 East ave
Susannah Clara Hatmaker,	s. m.	*Syracuse*,	3 Marshall
Mary Grace Hill,	s. p., s. m.	*Syracuse*,	55 East ave
Mary Alva Horton,	m., s. p.	*Syracuse*,	420 Irving
Myra Irene Husted,	m.	*Syracuse*,	55 Johnson
Everett Carlisle Johnson,	ar.	*Syracuse*,	3 Hoes Block
Jessie Edith Jones,	m.	*Rushville*,	636 Irving
Mary Augusta Jones,	m.	*Lebanon, Ill.*,	72 Montgomery
Minnie Eldred Kenyon,	s. p.	*Sherburne*,	522 Chestnut
Stella Frances Kingsley,	s. m.	*Syracuse*,	192 Gifford
Florence Adelle Larrabee,	m.	*Syracuse*,	638 Chestnut
Milton Meiers Leiter,	s. m.	*Syracuse*,	81 Warren
Mabel Kinne Lewis,	m.	*Solsville*,	621 Chestnut
Jessie Charlotte Lozier,	p., s. m.	*New York*,	112 Univ. Place
Harriet Smith Mead,	p.	*Syracuse*,	5 Monroe

			City Address.
Carrie Millen,	s. m.	*Syracuse*,	114 University ave
Cora Millen,	s. m.	*Syracuse*,	114 University ave
Louise Mitchell,	s. p.	*Weedsport*,	31 Univ. ave
Olive C. Moorhead,	m.	*Syracuse*,	636 Irving
Minnie Cass Morey,	p.	*Baldwinsville*,	438 Chestnut
Nellie Spellman Morgan,	m.	*Syracuse*,	2 Frazer Block
Clara Bell Orr,	m.	*Syracuse*,	128½ Harrison
Charlotte M. Packard,	s. m.	*Syracuse*,	47 McClellan
Mary Heffron Pettit,	m.	*Wabash, Ind.*,	*A. Φ.* Chap. H
Grace Dwight Potter,	s. m.	*Syracuse*,	110 W. Onondaga
Frank LeRoy Purdy,	s. m.	*Tonawanda, Pa.*,	260 E. Gen
Nellie King Reilay,	s. m.	*Syracuse*,	295 E. Washington
Charles S. Robertson,	s. m.	*Galway*,	*Δ. Υ.* Chap. H
Emma M. Robinson,	m.	*Hamilton, Can.*,	*A. Φ.* Chap. H
Marcus Alexander Rolfe,	m.	*Oneida*,	635 Irving
Kate Scott Rollo,	s. m.	*Syracuse*,	151 E. Onondaga
Elizabeth Belle Ruland,	m.	*Syracuse*,	124 E. Fayette
Grace Darrow Searle,	p.	*East Onondaga*,	28 E. Onon
Ettie Deborah Sheldon,	s. p.	*Ellenbury Depot*,	157 Harrison
Louise Allen Shrimpton,	p.	*Ridgway, Pa.*,	96 Univ. ave
Harriet Case Stacey,	s. m.	*Syracuse*,	103 E. Genesee
Hattie Lois Stackhouse,	m.	*Syracuse*,	102 Harrison
John Richard Stevens,	s. m.	*Tompsbury*,	648 Chestnut
Frederick Carl Straub,	s. ar.	*Syracuse*,	65 Spruce
Marietta Belle Swan,	s. m.	*Belleville*,	23 University ave
Jennie May Tenney,	s. p.	*Syracuse*,	32 Renwick ave
Clara Edith Titus,	s. m.	*Syracuse*,	42 Montgomery
Grace Gardner Truair,	s. m.	*Syracuse*,	156 Cedar
Margaret Tucker,	m.	*Philadelphia*,	255 E. Genesee
Helen Edith Wallace,	s. m.	*Syracuse*,	14 Greenway Place
Nina Weston,	m.	*Syracuse*,	21 Locust
Jeannette White,	s. p.	*Laona*,	33 University ave
Flora Amelia Whitney,	s. m.	*Clifton Springs*,	286 E. Gene
Nettie Lydia Wilmot,	s. m.	*Syracuse*,	161 Madison
Florence Rose Worster,	s. p.	*Syracuse*,	59 Lemon
Isabella Maria Yates,	s. m.	*Geddes*,	631 Irving
Alice Cordelia Young,	s. m.	*Syracuse*,	170 Madison

GYMNASIAL STUDENTS.

For the convenience of students desirous of pursuing their musical studies preparatory to the Collegiate Course, a Gymnasial Course has been arranged as explained hereafter.

		City Address.
Lizzie Chatfield Atwater,	*Throopsville*,	12 Gazelle
Hannah Berwin,	*Syracuse*,	128½ Harrison
Grace Pratt Bishop,	*Syracuse*,	21 Slocum ave
Emma Botzer,	*Syracuse*,	78 Seymour
Carey Roscoe Chester,	*Schenevus*,	142 E. Jefferson
Frederick Price Comfort,	*Syracuse*,	Vanderbilt House
Arthur Wellington Cullings,	*Cigarville*,	69 E. Castle
Cora Theresa Danziger,	*Syracuse*,	82 Warren
Gertrude Danziger,	*Syracuse*,	141 E. Genesee
Georgiana Dorsey,	*Bath*,	66 Renwick ave
Carl Downing,	*Syracuse*,	12 Gazelle
Anna Draper,	*Syracuse*,	7 St. Marks Square
Maude Helena Fay,	*Cazenovia.*	
Kittie May Foster,	*Syracuse*,	727 Irving
Hattie Sophia Gale,	*Syracuse*,	163 S. Salina
Genevieve Harrington,	*Syracuse*,	180 E. Adams
Sarah Josephine Hayden,	*Syracuse*,	35 Avery ave
Ella Marie Hewitt,	*Dagus Mines, Pa.*,	10 W. Adams
John Daniel Keefe,	*Oswego*,	255 E. Genesee
Josephine Percy Lalor,	*Syracuse*,	317 S. Salina
Hattie Lesser,	*Syracuse*,	139 Warren
Margaret Irma Little,	*Syracuse*,	121 University ave
Anna Grace McLeod,	*Syracuse*,	21 Grape
Jessie McKinley,	*Liverpool.*	
Estelle Rose Miller,	*Syracuse*,	30 Catharine
Harriet Munro,	*Bell Isle*,	731 Irving
Susan Isabella Myers,	*Syracuse*,	617 Chestnut
Mary Newkirk,	*Syracuse*,	630 Chestnut
Ella Louisa Northrup,	*Ogdensburg*,	725 Chestnut
Rose Oppenheimer,	*Syracuse*,	2 Rosenbloom Block
Edith Packard,	*Syracuse*,	McClellan
John Walrath Plant,	*Syracuse*,	28 Harrison
Lucetta Robinson,	*Tracy Creek*,	66 Renwick ave
Bertha Sabin Sawyer,	*Syracuse*,	98 University ave

		City Address.
Abbie Sherwood,	*Syracuse*,	247 Madison
Sarah Silverman,	*Syracuse*,	33 Cedar
Mabel Charlotte Stackhouse,	*Syracuse*,	102 Harrison
Delia Martha Stout,	*Virgil*,	19 Mulberry
Julia Adelaide Talbot,	*Syracuse*,	648 Irving
Ida Theresa Tanguay,	*Syracuse*,	64 Jackson
Grace Stella Thomas,	*Lafayette*.	
Lillian Bell VanHeusen,	*Syracuse*,	97 University ave
Jennie May Watson,	*Syracuse*,	198 E. Railroad
Myra Webb,	*Syracuse*,	105 Seymour
Charles Peters Wickwire,	*Oneonta*,	149 Cedar
Jessie Adelaide Williams,	*Syracuse*,	168 Madison
Dora Winterfield,	*Syracuse*,	130 Mulberry
Cora Blanche Worden,	*Syracuse*,	23 East Castle
George Lyman Wright,	*Cardiff*.	

Summary of Students.

College of Liberal Arts.

Post-Graduate Students,		96
Senior Class,	37	
Junior Class,	22	
Sophomore Class,	50	
Freshman Class,	105	
Unclassified,	49	—263

College of Medicine.

Third Year,	4	
Second Year,	10	
First Year,	16	
Unclassified,	7	—37

College of Fine Arts.

Post-Graduate Students,	4	
Senior Class,	3	
Junior Class,	26	
Sophomore Class,	37	
Freshman Class,	92	—162
Gymnasial Students in Music,		49
		607
Names repeated,		21
Total,		586

Degrees Conferred by the University

IN 1888.

Doctor of Divinity.

Rev. La Fayette Congdon, Ph. D., - - - Syracuse.
Rev. George H. Dryer, A. M., - - - - Medina.

Doctor of Philosophy.

[Conferred only upon Examination.]

Rev. Charles E. Babcock, A. M., Hannibal, N. Y., English Literature.
Prof. Thomas J. Bassett, A. M., Greencastle, Ind., - - Latin.
Prof. William M. Benson, A. M., Rochester, N. Y., Physical Science.
Alice Carter, M. Ph., Huntington, N. Y., - - - Botany.
Prof. Henrietta E. Hooker, M. Ph., South Hadley, Mass., Botany.
Prof. Nicholas Knight, A. M., Cazenovia, N. Y., - - Geology.
Rev. Archibald MacDougall, M. Ph., St. John, N. B., Ethical Philosophy.
Prof. Edward P. Smith, A. M., Worcester, Mass., Constitutional History.
Rev. Polemus H. Swift, A. M., Rockford, Ill., Christian Evidences.
Flora Ellis Wells, A. M., Syracuse, N. Y., - - English Literature.
Rev. John H. Willey, Milford, Del., - - Christian Evidences.

Master of Arts.

Horace A. Crane, *in cursu,*
Samuel G. Harris, "
Oscar C. Kinyon, "
Henry A. Peck, "
George W. Tackabury, "
Charles O. Dewey, *in cursu,*
W. Newton Holmes, "
Henry H. Murdock, "
Jay D. Stay, "
Frank H. Wood, "

[On Examination.]

Charles E. Babcock, A. B., Hannibal, N. Y., - English Literature.
Thomas J. Bassett, A. B., Greencastle, Ind., - - - Latin.
William M. Benson, A. B., Rochester, N. Y., - Physical Science.

Francis J. Cheney, A. B., Kingston, N. Y., - American History.
Oscar L. Fisher, A. B., Denver, Col., - - Christian Evidences.
Franklin J. Holzwarth, A. B., Manlius, N. Y., - - German.
Nicholas Knight, A. B., Cazenovia, N. Y., - - Geology.
Edgar S. Maclay, A. B., Brooklyn, N. Y., - American History.
Edwin F. Norton, A. B., Morrisville, N. Y., - - Metaphysics.
Edward P. Smith, A. B., Worcester, Mass., General History of the West.
Polemus H. Swift, A. B , Rockford, Ill., - Christian Evidences.
Flora Ellis Wells, A. B., Syracuse, N. Y., - - German.
William C. Wilbor, A. B., LeRoy, N. Y., - English Literature.

Master of Philosophy.

Jesse Lincoln Bronner, *in cursu*, Ida Esther Goldman, *in cursu.*

[On Examination.]

Alice Carter, B. Ph., Huntington, N. Y., - - - Botany.
Cornelia Maria Clapp, B. Ph., South Hadley, Mass., - Zoology.
Henrietta E. Hooker, B. Ph., South Hadley, Mass., - - Botany.
Archibald Mac Dougall, B. Ph., St. John, N. B., Ethical Philosophy.
John H. Willey, B. Ph., Milford, Del., - - English Literature.

Master of Science.

Martha Robinson Almy, *in cursu*, James Packard Mann, *in cursu.*

Bachelor of Arts.

Mary Ethel Abbott,
Frank Giles Banister,
Arthur Carey Connelly,
Elizabeth Louise Foote,
Cora Adella Harrington,
Newel Eugene Hulbert,
George Holmes Maxwell,
Wesley Amos Pratt,
George Irving Abbott,
Thomas Charles Blaisdell,
Milton Joseph Fletcher,
James Fraser,
Edward Emory Hill,
Edwin Clark Mason,
Lyman Crandall Pierce,
Howard Lincoln Rixon.

Bachelor of Philosophy.

Mary Cleveland Bradford,
Alice Carter,
Herbert Harry Hawkins,
Harry Grant Rowland,
Mary Frances Call,
Cornelia Maria Clapp,
Henrietta Edgcomb Hooker,
William George W. Schmidt,
William P. Westfall.

Bachelor of Science.

James Parker Becker,
Mary Brown Moore,
William Smith Murray,
Morgan Rich Sanford,
William Edward Blair,
John Herman Murray,
Eva Delia Clothilde Potter,
Frank Edwin Young.

Bachelor of Civil Engineering.

Frank Stephens Christy,
Frank Justus Schnauber,
Carlos d'Andrade Villares.

Doctor of Medicine.

Charles E. Boynton,
Leouie Hurlimann,
J. Davis Ozmun,
Robert J. Scott,
Daniel Connelly, Jr.,
Amelia D. Niven,
Emma A. Runnion,
Nelson A. Sloan,
James H. Schults.

Bachelor of Architecture.

Arthur Bridgman Clark.

Bachelor of Painting.

Florence May Farnham,
Myrta Leontine Kenaston,
Minnie Belle Harrington,
Frederick Carr Lyford.

Bachelor of Music.

Jessie Truesdell Peck,
Helen Mary Wardwell.

Alumni Association.

OFFICERS FOR 1888-'89.

PRESIDENT,

CARRIE I. SHEVELSON, A. M., '81, - Syracuse.

VICE-PRESIDENT,

THERON R. GREEN, A. M., '80, - - Syracuse.

SECRETARY AND TREASURER,

J. SCOTT CLARK, A. M., '77, - - Syracuse.

DIRECTORS,

WALTER A. BROWNELL,
LOUIS E. FULLER,
THERON R. GREEN,
BOYD McDOWELL,
R. DeWITT MUNGER,
CHARLES M. UNDERHILL,
J. SCOTT CLARK,
WILLIAM A. GERE,
OSCAR A. HOUGHTON,
CURTIS E. MOGG,
CARRIE I. SHEVELSON
MELVILLE J. WELLS,
JAMES W. WILSON

General Information.

COLLEGES OF THE UNIVERSITY.

Three Colleges are organized and in operation. These are:

I. The College of Liberal Arts,

II. The College of Medicine,

III. The College of Fine Arts.

They are all open for the admission of women on the same terms as men.

GROUNDS AND BUILDINGS.

The Campus of fifty acres is beautifully situated in the south-east part of the city, and commands a view of the city and lake, and of the surrounding country for many miles.

The Hall of Languages is a beautiful cut lime-stone structure 180 by 96 feet, four stories in height. It is occupied at present by the College of Liberal Arts and the College of Fine Arts.

The Charles Demarest Holden Observatory, just completed, is built of rock-faced gray lime-stone. It is equipped with an eight-inch Alvin Clark Telescope, a three-inch reversible transit, comet-seeker, chronograph, clock, chronometer, &c. It is also fully provided with apparatus for meteorological observations.

A Fire-Proof Library Building, made necessary by the gift of the Von Ranke Library, is now nearly completed. It is 80x90 feet with a capacity for 130,000 volumes. It will con-

tain bindery, cataloguing, packing, librarian and consulting rooms, and will be completed by January, 1889.

Mr. John Crouse, of Syracuse, is now erecting a large and beautiful College building memorial to himself and family, and intended chiefly for the use of ladies. It will be completed by June, 1889. The cost of this great edifice when furnished will be about $500,000.

The College of Medicine owns and occupies buildings suitable for its purposes near the centre of the city.

GYMNASIA OF THE UNIVERSITY.

Several Seminaries of high standing in different parts of the State have become Gymnasia of the University. The students of these Seminaries are admitted to the University without further examination upon certificates of having satisfactorily accomplished the required preparatory studies.

The following Institutions sustain this relation, viz:

Hudson River Institute and Female College at Claverack; Cazenovia Seminary at Cazenovia; Ives Seminary at Antwerp; Onondaga Academy at Onondaga Valley; Yates Union School at Chittenango; and Genesee Wesleyan Seminary at Lima.

LIBRARIES.

The general library contains about 14,000 volumes and is open to students daily, except Sundays. A reading room, abundantly supplied with current literature, is connected with it. Students are permitted the use of both, without extra charge.

In April, 1887, the great historical Library of Leopold Von Ranke was purchased by Mrs. Dr. John M. Reid and presented to Syracuse University, on condition that a suitable fire-proof building be erected for it. It has been received and will be placed on the shelves of the new library building in a few months.

The College of Medicine has a valuable professional library in its own building for the use of medical students.

MUSEUMS.

The University Museum possesses a large amount of material for illustrating the subjects of Geology, Zoology and Botany. Among other collections useful for instruction in Geology, the following may be mentioned:

1. The Ward series of casts of fossil remains,

2. An extensive lithologic collection representing all the leading types of rocks,

3. A collection of fossils illustrating especially the palæontology of New York State,

4. The "Cooper collection" of quartz and its varieties.

In Zoology are:

1. The "Banks collection" of North American birds,

2. A considerable collection of alcoholic specimens, mostly of Invertebrates,

3. A collection of shells with abundant representation of nearly all molluscan families,

4. A collection of insects.

In Botany a well ordered herbarium of about 8,000 specimens is accessible to students.

The laboratories are also kept supplied with an abundance of material for class use.

The College of Medicine has an excellent Museum, extensive in the department of Pathology, and amply provided with the means of illustration of the Materia Medica.

The College of Fine Arts has several thousand photographs, engravings and chromo-lithographs procured in Europe and America, together with a sufficient number of plaster preparations and copies to answer the demands of the course of instruction.

ENDOWMENT.

The University has about $400,000 of productive endowment, besides the amount pledged, but not yet paid, by the annual conferences. Six conferences have each undertaken to endow a Professorship in sums varying from $40,000 to $50,000, and have all secured more or less of the sums pledged.

The net value of the entire University property is about $1,100,000.

SCHOLARSHIPS.

The sum of $1,000 founds a perpetual scholarship, the accruing interest on which the University agrees to expend forever in payment of the tuition of worthy and needy students. About thirty of these scholarships have been established.

DEGREES.

The University confers upon those who satisfactorily complete the Classical Course the degree of *Bachelor of Arts;* the Latin-Scientific Course, *Bachelor of Philosophy;* the Scientific Course, *Bachelor of Science;* the Civil Engineering Course, *Bachelor of Civil Engineering;* the Course in Architecture, *Bachelor of Architecture;* the Course in Painting, *Bachelor of Painting;* the Course in Music, *Bachelor of Music;* the Course in Medicine, *Doctor of Medicine.*

The degree of Doctor of Philosophy is conferred only upon regular graduates of reputable colleges, complying with the conditions set forth in the Post-Graduate Courses of Study, published by the University. These Courses may be obtained on application to the Dean of the Faculty of the College of Liberal Arts. In this College the usual Master's degree is conferred three years after that of Bachelor upon such as pursue liberal studies.

For the Master's degree in the College of Fine Arts, see Index.

ALUMNI ASSOCIATION.

On Tuesday of Commencement week, designated as *Alumni Day*, the Alumni Association holds its Anniversary. At this meeting trustees are elected to represent the Alumni.

CIVIL RELATIONS OF STUDENTS.

The University does not provide board or rooms for its students. They select their homes in families with the advice of the faculty, and become amenable, like all other citizens, to the laws and ordinances of the city.

EXPENSES.

A Matriculation fee of $5.00 is required of all on admission.

In the college of Liberal Arts, the term bills, including all fees (except an incidental one to students in the Chemical Laboratory, to defray the cost of material used), are $20.00 per term; to sons and daughters of clergymen, $10.00. When a student is dependent upon his own resources alone, the University will, *if it should appear to be necessary, in order to enable him to prosecute his studies without interruption*, accept his note for term bills, in the College of Liberal Arts, to be paid at his earliest convenience after leaving college. Fee for graduation $20.00.

In the College of Fine Arts the charges are: tuition, $100 a year; ($33$\frac{1}{3}$ a term); to sons and daughters of clergymen, $50 a year; graduation $20.00.

Term bills must be settled at the opening of each term. Students are admitted to classes only upon presentation of a voucher from the Receiver. No person is recommended for a degree until all his college bills are settled.

Board, with furnished room, can be obtained in the city for from $3.75 to $5.00 per week. Many students board in clubs at a cost of $2.00 to $2.50 per week, and others rent rooms and board themselves at a still less expense. Further information relating to board may be obtained on application to Prof. J. S. Clark, 127 University avenue.

College of Liberal Arts.

TERMS.

The next collegiate year begins on Monday, the 16th of September, 1889, and the first three days are devoted to examinations for entrance. The first term consisting of fourteen weeks, ends on the Friday before Christmas week, and is followed by a vacation of two weeks. The remainder of the collegiate year is divided into two terms without an intervening vacation. The second term contains thirteen weeks, and the third term usually twelve. COMMENCEMENT occurs on the fourth Wednesday in June.

Students will find it for their interest to be present on the first day of each term, though one can enter at any time on passing the requisite examinations.

COURSES OF STUDY.

The Classical Course is substantially the same as is pursued in the best American Colleges, including a considerable amount of modern languages.

The Latin Scientific Course is nearly identical with the Classical, except in the substitution of German and other subjects for the Greek.

The Scientific Course, in the place of Latin and Greek, substitutes German and French, and some additional studies in mathematics, natural sciences, literature, history and philosophy.

In the Course in Civil Engineering special attention is given to mathematics in which a thorough training is essential to a good knowledge of engineering. This course is intended to give the student also such instruction in the theory and prac-

tice of Civil Engineering as will qualify him for immediate usefulness in the field and office in a subordinate capacity, and fit him to fill satisfactorily the higher positions in the profession, after a moderate amount of experience.

In the Junior year, nearly one-third of the student's time is devoted to elective work; in the Senior year, the range of election is somewhat larger.

CONDITIONS OF ADMISSION.

I. To the Freshman Class.

1. Candidates for admission to the Classical Course are required to pass a written examination in the following studies:—

(1). English Grammar.—

(2). Geography.—Ancient and Modern; Political and Elements of Physical.

(3). History.—*United States; Roman*, to the end of the third Punic War.

(4). Mathematics.—*Arithmetic*, entire, including the metric system; *Algebra*, to quadratic Equations, as treated in Wentworth's Complete Algebra or its equivalent; *Plane Geometry*,—the first five books of Wentworth's Plane and Solid Geometry or their equivalent. Special attention is called to the original exercises.

(5.) Physics.—Dr. J. Dorman Steele's text book or its equivalent.

(6). Latin.—Harkness' *Latin Grammar;* four books of *Cæsar's Commentaries;* six of *Cicero's Orations;* the *Eclogues*, and six books of the *Æneid*, with special reference to the prosody; Allen and Greenough's *Latin Composition*, part first complete.

(7). Greek.—Hadley and Allen's *Greek Grammar;* three books of the *Anabasis;* three books of the *Iliad; Greek Composition*, first three chapters of Boise's Greek Prose Composition.

Regents' certificates are accepted for the preparatory studies which they cover.

2. Candidates for the Latin Scientific Course are examined in the studies required for the Classical Course, excepting the Greek.

3. Candidates for the Scientific Course are examined in English Grammar, Geography, History, Mathematics and Natural Philosophy, the same as for the Classical Course; and also in one of the Latin authors there required.

4. Candidates for the Course in Civil Engineering are examined in the same studies as for the Scientific Course except Latin; and must have attained such proficiency in drawing as may be acquired by one year's study.

II. To Advanced Classes.

Candidates for advanced standing in any of the foregoing courses are examined in the studies previously pursued by the classes which they propose to enter, or are required to give evidence that they have pursued an equivalent amount of study in another college of equal grade.

III. For Unclassified Students.

Students who do not desire to complete any of the regular courses of study, may select such studies and attend such classes as their qualifications permit. They are expected to attend such general exercises as may be assigned them, be subject to all the general rules, and take work enough to occupy all their time.

Examinations for admission will begin on Monday at 2 P. M.

TREATMENT OF SUBJECTS.

1—English Literature.

The work in this department embraces the study of English Literature from its beginnings to the present, and so much of the history of the English People and Language as is necessary to an intelligent comprehension of the Literature.

The writings of the best authors are examined and characterized in the classes. While much of the instruction is given by lectures, text-books are retained and used.

Freshman Year: Welch's English Literature and Language, Vol. I.

SENIOR YEAR: Welch's English Literature and Language, Vol. II.

SENIOR YEAR; (Elective): Lectures on Literary Style and Composition, and English and American Classics.

2.—LATIN LANGUAGE AND LITERATURE.

Two text-books are used throughout the course, viz: Harkness' Standard Latin Grammar—as the constant reference manual—and Smalley's Latin Analysis—as an exercise in Etymology designed to secure the vigilant study and correct analysis of Latin words.

FRESHMAN YEAR: *First term*, Cicero, Cato Major and Lælius; Prose Composition; Roman History, Merivale. During this and the following terms Latin Syntax and Etymology are carefully reviewed, the student committing illustrative sentences in Syntax. *Second term*, Livy, Book I. or XXI.; Prose Composition; Roman History; and frequent exercise in writing accurate and elegant translations of Livy. *Third term*, Juvenal's Satires; Written translations of Juvenal, and exercises in reading Latin at sight.

SOPHOMORE YEAR: *Second term*, Horace; Selections from the Odes, Epodes, Satires and Epistles; Roman History complete; Essays on Roman life, customs, dress, buildings, utensils, economy, etc. Prosody is reviewed and constant attention given to scanning the metres of Horace.

JUNIOR YEAR: *First term*, Tusculan Disputations, first book, together with Somnium Scipionis from the De Republica, and extracts from De Senectute and De Amicitia, embracing nearly all that Cicero wrote on the immortality of the soul; brief Lectures on Greek Philosophy, designed to explain the numerous allusions of Cicero to the doctrines of ancient philosophers, and to give a connected view of the schools which were the source of his eclecticism. *Second term*, (elective) either of the following: Tacitus; Germania and Agricola, or Champlin's Selections: Lucretius; De Rerum Natura: Quintilian; Institutes of Oratory, Books X. and XII.: Horace; Art of Poetry and Epistles: Plautus: or Terence. *Third term*, Selections from the minor poets, Catullus, Tibullus Propertius, etc.: Latin Literature; Bender.

SENIOR YEAR: *First term*, (elective) Browne's, also Cruttwell's, with lectures on the origin and development of the Latin Language, and its early records and relics.

3.—GREEK LANGUAGE AND LITERATURE.

The subjects taught in this department are the Language and Literature of Ancient Greece.

In teaching the LANGUAGE, the aim is to enrich the student's English vocabulary, to develop within him a power of interpretation and continuous attention, and to cultivate the accurate and fluent use of words. Attention is given to the application of grammatical laws, to the oral and written translation of Greek into English and English into Greek, the distinction of synonyms, the comparison of idioms, the growth and decay in the form and sense of words, together with the laws of their interchange among the cognate tongues.

In the higher classes, the text is examined with more special reference to the style, subject matter and spirit of the author.

The study of the HISTORY, GEOGRAPHY, and ARCHÆOLOGY is pursued not only for the intrinsic value of these subjects, but also to give a just appreciation of the spirit of the authors read and the age in which they lived, and thus lift the work of translation up from the mechanical transfer of words, to the higher study of humanity.

FRESHMAN YEAR: *First term*, Owen's Homer's Iliad, four books; Hadley and Allen's Greek Grammar. *Second term*, Demosthenes on the Crown; Boise's Greek Prose Composition. *Third term*, Demosthenes on the Crown, completed; Arnold's Greek Prose Composition.

SOPHOMORE YEAR: *First term*, Ploto's Apology and Crito; Boise's Greek Prose Composition; Goodwin's Moods and Tenses. *Third term*, Greek Tragedy; Goodwin's Moods and Tenses.

JUNIOR YEAR: *Third term*, Greek Comedy (elective).

SENIOR YEAR: *First term*, Greek Literature (elective); *Second term*, Greek Tragedy (elective).

4.—Modern Languages.

As no preliminary study of these languages is required, it is necessary to commence with the rudiments. The time given to these languages is occupied in tracing their philological features and their relations to cognate languages, in practical exercises in conversation and writing, and in the study of classical, scientific and artistic literature.

German Language; *First year*, Comfort's German Course, First German Reader, and thirty pages of the Larger German Reader; also forty exercises from the Jaynes Otto German Course; *Second year*, Comfort's Large German Reader, and Manual of German Conversation; portions of Weber's History of German Literature; and William Tell or other classic dramas.

French Language; *First year*, Otto's French Grammar, a French Comedy and La Petite Fadette, by George Sand; *Second year*, Demogeot's History of French Literature, and various classic dramas.

Italian Language; Fontana's Grammar, Giudici's Italian Literature, and various classic dramas.

5.—Mathematics.

Freshman: *Algebra*, (Wentworth's College)—Quadratic equations, calculus of radicals, theory of indeterminate coefficients, binomial theorem and its application to the development of functions, theory and use of logarithms, elements of the theory of equations, and Horner's Method of solving higher equations.

Geometry, (Wentworth's)—Regular polygons, measurement of the circle, maxima and minima of plane figures, solid and spherical geometry.

Sophomore: *Trigonometry*, (Wentworth's) plane and spherical; *Land Surveying* with field exercises.

Analytic Geometry, (Bowser's).—Construction of equations, production of equations of plane loci, transformation of coordinates, properties of the conic sections.

Calculus, (Bowser's)—*Differential*, Differentiation of functions of a single variable, Maclaurin's and Taylor's Theorems

with binomial theorem and theory of logarithms deduced, maxima and minima of functions of a single variable, evaluation of indeterminate forms; *Integral*, Elementary forms, binomial differentials, rectification and quadrature of plane curves, cubature of volumes of revolution.

JUNIOR: *Calculus*, an additional term is devoted to the study of the properties of curves and more advanced integrations, elective in the Classical and Latin Scientific Courses; *Mechanics*, (Bowser's)—[elective in the Classical and Latin Scientific Courses, required in the Scientific Course,] composition of forces, center of gravity, problems in construction, discussion of machines, the pendulum, projectiles, work, composition of rotations.

Astronomy, (Norton's)—[required in all the courses], elementary principles, determination of latitude, longitude, and time, precession, aberration, determination of the elements of a planet's orbit, eclipses, with the computation in full of an eclipse of the moon, with practical observatory work. An advanced course with observatory practice may be elected for the entire Senior year.

Students in the course in Civil Engineering devote an additional term in the Senior year to Calculus, and study Higher Surveying and Geodesy. In the Senior year they take up Railroad Engineering and the Theory of Strains as applied to the construction of bridges and roofs; project some original engineering construction, giving details and specifications; and write criticisms upon engineering structures found in the vicinity.

6.—CHEMISTRY AND PHYSICS.

Instruction in Physics is given by recitations and lectures.

SOPHOMORE YEAR: *First term*, the laws of solids, liquids and gases; *Second term*, heat and light.

JUNIOR YEAR: *First term*, sound and electricity.

Chemistry is pursued in the Junior year; including the history of Chemistry and Chemical Philosophy; Stoichiometry and the univalent elements; the metals and organic Chemistry.

The lectures are illustrated by experiments and followed by frequent reviews and examinations.

Students in Analytic chemistry conduct with their own hands, a systematic course of qualitative analysis, under the supervision and direction of the professor.

To those desiring it, instruction is given in quantitative analysis, Chemical Technology and Toxicological investigations.

A set of apparatus and reagents sufficient for laboratory use is furnished to each student at the opening of the term. A deposit of five dollars is required from which his laboratory expenses are paid, and at the close of the term the balance is returned.

7.—Geology, Zoology and Botany.

The work in this department is uniform in all courses; and is arranged as follows (elective studies in *italics*):—

	FIRST TERM.	SECOND TERM.	THIRD TERM.
Sophomore,	———	———	General Biology, 2.
Junior,	*Botany*, 3.	*Botany*, 3,	*Zoology*, 3.
Senior.	*Zoology*, 3.	*Mineralogy*, 2.	*Palæontology*, 3.
	Geology, 3.	*and Lithology*, 2.	

In the General Biology of the Sophomore year the student is led away from the routine study of books to the study of natural objects; the preparation of a collection in some department of Natural History is required and above all the habit of close observation and the drawing of objects seen are rigidly insisted upon.

In Botany the laboratory method is used, each student studying with the aid of simple and compound microscopes typical forms of plant life ranging from the *Myxomycetes* to the *Phanerogamia*. Bessey's *Essentials of Botany* is used as a guide. The larger works of Bessey, De Bary, Gray, Goodale, Sachs, are used for reference. The work of the first term involves besides general principles, the study of types of fungi, algæ, liverworts, and mosses. The work of the second term is devoted more especially to the ferns, their allies, and the Phanerogams. Students desiring advanced work in Botany can make

arrangements with the professor in charge of the department.

In Zoology a similar course is pursued, using for a guide Colton's *Practical Zoology* with abundant reference to the works of Packard, Brooks, Claus and others. The dissection of typical forms and the study of specimens in hand is made a feature of the work.

Winchell's *Geological Studies* is used as a text for the work in General Geology required in all courses. The work of the second and third terms is more special and is conducted largely in the laboratory with specimens in hand.

8.—History.

History is studied in its principles as well as in its facts. To familiarize the student with the best methods of study, and to suggest appropriate courses of historical reading, are among the important objects aimed at. The instruction is both by lecture and text book.

Freshman Year: Lectures are given on Historical Propædeutics, in which the methods of historic study and writing are examined, and the necessary auxiliaries of history—Chronology, Geography, Genealogy and Ethnography—are discussed in their principles and application. During the third term, Rawlinson's Ancient History is studied. Special attention is directed to the valuable authorities mentioned by this author, and their scope and relative value are estimated.

Sophomore Year: During the first term, in connection with a text-book, lectures are given on the Roman Law; Mohammed and Mohammedanism; the causes, development and consequences of the crusades; the Medieval Literature, etc. During the second and third terms the Reformation and Post-Reformation history is examined. In addition to the text-book, during the second term, lectures are given on the Comparison of French and English Government prior to 1789. Throughout the year, dissertations and portraiture of important historical characters are prepared by the students; also the class is specially instructed in regard to the authorities and literature of the various periods, and required to give analyses and estimates of historical works.

JUNIOR AND SENIOR YEARS: The instruction in these years is entirely by lecture. Special courses are accessible to both classes. Attention is given to the examination of the Tribal Migrations before and after the Roman Downfall, and to the great revolutions of modern times. The lectures on the Philosophy of History are designed, primarily, to summarize the principles and laws that have been discovered and illustrated during the preceding years.

9.—ESTHETICS.

Weekly lectures are given on Esthetics during the first term, and on the History of the Fine Arts, during the second and third terms of the Senior Year. The appliances of the College of Fine Arts are employed to illustrate these lectures.

Students in the Scientific and Latin-Scientific Courses are required, and students in the Classical Course may elect to take two hours of study a week during one term, in each of the following branches: Free Hand Drawing, Mechanical Drafting and Architectural Drafting. Students in the Scientific Course are also required to attend classes in Perspective Drawing three hours a week during the first term of the Sophomore year. Students in Civil Engineering are required to study drafting much more extensively.

10.—RHETORIC, ENGLISH CRITICISM AND ELOCUTION.

The instruction in this department aims to cover those subjects which directly pertain to the composition and forcible delivery of good English. The work is continuous throughout the entire course.

In English Criticism, especial attention is given to the requisites of good style. As to punctuation and form, students are expected to present all essays and oration manuscript in such form that they would, if published, require no corrections or additions at the hands of the printer. Instruction, with exercises, in the formation of Essay Outlines, is also made a prominent feature.

In Elocution, the aim is constantly toward natural, rather

than artificial methods of delivery. Throughout the course especial stress is laid upon the distinctness of enunciation. In Gesture, the English system, as originally enunciated in Austin's Cheironomia, and afterward modified by Bacon, is taught, together with the elements of the Delsarte Philosophy of expression. In Orthoepy, the preferred pronunciation of Webster's Unabridged Dictionary is taken as the standard. Consecutively, during the Freshman and Sophomore years, are given and practiced various fundamental exercises in breathing, articulation, etc.

The text books in English Criticism during the Freshman and Sophomore years cover thoroughly the elements of Rhetoric, and prepare the student for the more advanced work of the Senior year.

Freshman Year: *English Criticism*—Clark's Practical Rhetoric. *Elocution*—English Phonation, using the Bell Vowel Table with Russell's treatment of the consonants; Articulation and chest exercises; Elements of Inflection and Emphasis, with notes on Tone quality, Utterance, Pitch, Force, Time and slides, using Dickens' Christmas Carols for practice and illustration. *Essays*—Three original essays per term of not less than five hundred nor more than seven hundred words, on subjects assigned. These essays are carefully corrected, criticised in class, returned to the writers, and afterward read, in part, before the class.

Sophomore Year: *English criticism.*—Minto's English Prose Literature, together with class work on the essays. *Elocution*—*First term*, Bacon's Manual of Gesture with notes on Delsarte: *Second term*, three miscellaneous declamations delivered before the class; *Third term*, declamations of prescribed character, delivered and criticised before the class.

Essays.—Three each, in *first* and *third terms* of not less than six hundred nor more than eight hundred words on subjects assigned. During the *second term* the declamations take the place of the essays.

Junior Year: *Elocution.*—*First term*, Declamations of prescribed character delivered and criticised before the class; *Second* and *third terms*, Extempore speaking. *Orations.*—One

each term, of not more than one thousand words, after private rehearsal is delivered in chapel.

SENIOR YEAR: *Elocution.*—Opportunity is given for continuing the work of the Junior year. *Rhetoric.—Second term*, Analysis of English Prose Masterpieces. One original oration of about one thousand words is rehearsed and delivered at a Senior Exhibition in the chapel within the first two terms; a like oration is required from each member of the class on the first of May, from which selections are made for delivery at commencement.

11.—METAPHYSICS AND LOGIC.

In this Department it is designed, by lectures and the use of text-books, to trace briefly the history of mental science, and by class discussion, by essays upon appointed themes, and by a course of select reading, to render the student familiar with the characteristic principles of the leading historic systems.

Logic is studied during the first term of the Junior year. To the class are assigned frequent exercises in Classification, Argumentation and Method.

12.—ETHICS AND CHRISTIAN EVIDENCES.

In the department of Ethics and Christian Evidences, the subjects are taught by text-books and lectures.

SENIOR YEAR: *First term*, Calderwood's *Moral Philosophy; Third term*, Hopkins' *Evidences of Christianity.*

13.—JURISPRUDENCE AND POLITICAL ECONOMY.

SENIOR YEAR: *First term*, Political Economy, and General Principles of Jurisprudence, (elective); *Second term*, International Law, (elective); *Third term*, Constitution of the United States, (required).

RELIGIOUS OBSERVANCES.

All the students are expected to assemble every morning in the Chapel except Saturdays and Sundays. The exercises consist of singing, reading the Scriptures and prayer.

Students are also required to regularly attend the Sabbath morning church service.

Parallel Courses of Study

NOTE.—Numerals indicate the number of class exercises per week. Studies in roman letters are required; those in italics are elective; but a sufficient number must be elected to make sixteen exercises per week in the Junior, and fifteen in the Senior years.

		CLASSICAL.	LATIN SCIENTIFIC.	SCIENTIFIC.	CIVIL ENGINEERING.
FRESHMAN YEAR.	First Term.	Algebra, 4. Hygiene, 3. Latin, 4. Greek, 3. English Criticism, 1. Elocution, 1	Algebra, 4. Hygiene, 3. Latin, 4. German, 3. English Criticism, 1. Elocution, 1.	Algebra, 4. Hygiene, 3. Physiography, 2. German, 3. Free Hand Drawing, 2, (4). English Criticism, 1. Elocution, 1.	Algebra, 4. Hygiene, 3. Physiography, 2. German, 3. F.H.Drawing from Patterns, 2,(4). English Criticism, 1. Elocution, 1.
	Second Term.	Algebra, 4. Latin, 4. Greek, 3. English Literature, 3. English Criticism, 1. Elocution, 1.	Algebra, 4. Latin, 4. German, 3. English Literature, 3. English Criticism, 1. Elocution, 1.	Algebra, 4. Physiography, 2. German, 3. Mechanical Drafting, 2, (4). English Literature, 3. English Criticism, 1. Elocution, 1.	Algebra, 4. Physiography, 2. German, 3. F. H. Drawing from Objects, 2,(4). English Literature, 3. English Criticism, 1. Elocution, 1.
	Third Term.	Geometry, 4. Latin, 3. Greek, 5. Ancient History, 2. English Criticism, 1. Elocution, 1.	Geometry, 4. Latin, 3. German, 5. Ancient History, 2. English Criticism, 1. Elocution, 1.	Geometry, 4. Physiography. 2. German, 5. Ancient History, 2. Architectural Drawing, 2, (4). English Criticism, 1. Elocution, 1.	Geometry, 4. Physiography, 2. German, 5. Ancient History, 2. Decorative Drawing, 2, (4). English Criticism, 1. Elocution, 1.

SOPHOMORE YEAR.

First Term.	Trigonometry, 4. Medieval History, 2. German, 3. Physics, 3. Greek, 3. English Criticism, 1. Elocution, 1.	Trigonometry, 4. Medieval History, 2. German, 3. Physics, 3. Free Hand Drawing, 2, (4). English Criticism, 1. Elocution, 1.	Trigonometry, 4. Medieval History, 2. German, 3. Physics, 3. Perspective Drawing, 3, (6). English Criticism, 1. Elocution, 1.	Trigonometry, 4. Physics, 3. German, 3. Perspective Drawing, 3, (6). Lettering, 2, (4). English Criticism, 1. Elocution, 1.
Second Term.	Analytical Geometry, 4. Modern History, 3. German, 3. Physics, 3. Latin, 3. English Criticism, 1. Elocution, 1.	Analytical Geometry, 5. Modern History, 3. German, 1. Physics, 3. Latin, 3. Mechanical Drafting, 2, (4). English Criticism, 1. Elocution, 1.	Analytical Geometry, 4. Modern History, 3. German, 1. Physics, 3. Shades and Shadows, 2, (4). Isometrical Projection, 2, (4). English Criticism, 1. Elocution, 1.	Analytical Geometry, 4. German, 1. Physics, 3. Orthographical Projections, 2. Shades and Shadows, 2, (4). Isometrical Projection, 2, (4). English Criticism, 1. Elocution, 1.
Third Term.	Biology, 2. Calculus, 4. Modern History, 2. German, 4. Greek, 3. English Criticism, 1. *Elocution*, 1. *Surveying*, 2.	Biology, 2. Calculus, 4. Modern History, 2. German, 3. English Criticism, 1. Elocution, 1. Architectural Drafting, 2, (4). *Surveying*, 3.	Biology, 2. Calculus, 4. Modern History, 2. German, 3. English Criticism, 1. Elocution, 1. Surveying, 3.	Biology, 2. Calculus, 4. Surveying, 3. German, 3. English Criticism, 1. Elocution, 1. Topographical Drawing, 2, (4).

PARALLEL COURSES OF STUDY.—Continued.

JUNIOR YEAR.

First Term.	French, 4. Logic, 4. Latin, 3. Elocution, 1. *German*, 3. *History of Eng. Revolutions*, 2. *Free Hand Drawing*, 2, (4). *Hebrew*, 2. *Botany*, 3, (6). *Physics*, 3. *History of Eng. Language*, 1.	French, 4. Logic, 4. Latin, 3. Elocution, 1. *Calculus*, 4. *Botany*, 3, (6). *History of Eng. Revolutions*, 2. *Physics*, 3. *History of Eng. Language*, 1.	French, 4. Logic, 4. Elocution, 1. Calculus, 4. *American Revolution*, 1. *Botany*, 3, (6). *History of Eng. Revolution*, 2. *Physics*, 3. *History of Eng. Language*, 1.	French, 4. Calculus, 4. Topographical Drawing, 2, (4). *Elocution*, 1. *Logic*, 4. *English Revolution*, 2. *Botany*, 3, (6). *Physics*, 3. *History of Eng. Language*, 1.
Second Term.	French, 3. Astronomy, 4. Chemistry, 4. Elocution, 1. *Mechanical Drafting*, 2, (4). *History of French Revolution*, 2. *Latin*, 3. *Anglo-Saxon*, 1. *German*, 1. *Comparative Philology*, 2. *Hebrew*, 2. *Botany*, 3. *Greek Comedy*, 3.	French, 3 Astronomy, 4. Chemistry, 4. Elocution, 1. *History of French Revolution*, 2. *Latin*, 3. *Anglo-Saxon*, 1. *Botany*, 3.	French 3. Astronomy, 4. Chemistry, 4. Elocution, 1. *History of French Revolution*, 2. *Anglo-Saxon*, 1. *German Literature*, 2. *Botany*, 3.	French, 3. Astronomy, 4. Chemistry, 4. Descriptive Geometry, 3. *Elocution*, 1. *History of French Revolution*, 2. *Anglo-Saxon*, 1. *German Literature*, 2. *Botany*, 3.
Third Term.	French, 2. Chemistry, 2. Psychology, 4. Latin, 3. Elocution, 1. *Mechanics*, 5. *History of Education*, 1. *German*, 3. *Architectural Drafting*, 2, (4). *Hebrew*, 2. *Zoölogy*, 3. *Early English*, 1.	French, 2. Chemistry, 2. Psychology, 4. Latin, 3. Elocution, 1. *Mechanics*, 5. *History of Education*, 1. *Zoölogy*, 3. *Early English*, 1.	French, 2. Chemistry, 2. Psychology, 4. Elocution, 1. Mechanics, 5. *History of Education*, 1. *German Literature*, 2. *Zoölogy*, 3. *Early English*, 1.	French, 2. Chemistry Mechanics, 5, Geodesy, 2. Descriptive Geometry, 2. *Elocution*, 1. *Psychology*, 4. *History of Education*, 1. *German Literature*, 2. *Zoölogy*, 3. *Early English*, 1.

SENIOR YEAR.

FIRST TERM.

History of Philosophy, 3.
Geology, 3.
Esthetics, 1.
Political Economy, 3.
Jurisprudence, 3.
French Literature or Italian, 2.
Greek Literature, 2.
Analytical Chemistry, 3, (6).
American Revolution, 1.
Roman Literature, 2.
Zoölogy, 3.
Astronomy, 2.

History of Philosophy, 3.
Geology, 3.
Esthetics. 1.
Political Economy, 3.
Jurisprudence, 3.
French Literature or Italian, 2.
Analytical Chemistry, 3, (6).
American Revolution, 1.
Roman Literature, 2.
Zoölogy, 3.
Astronomy, 2.

History of Philosophy, 3.
Geology, 3.
Esthetics, 1.
Political Economy, 3.
Jurisprudence, 3.
French Literature or Italian, 2.
Analytical Chemistry, 3, (6).
Zoölogy, 3.
Astronomy, 2.

Railroad Engineering, 4.
Geology, 3.
Strength of Materials and Engineering Construction, 5.
Structural Drawing, 2, (4).
History of Philosophy, 3.
Esthetics, 1.
Political Economy, 3.
Jurisprudence, 3.
French Literature or Italian, 2.
Analytical Chemistry, 3, (6).
American Revolution, 1.
Zoölogy, 3.
Astronomy, 2.

SECOND TERM.

Moral Philosophy, 4.
Art History, 1.
English Literature, 5.
Philosophy of History, 1.
History of Philosophy, 3.
Rhetoric, 2.
French Literature or Italian, 2.
German Literature, 2.
Const. History of England, 2.
Analytical Chemistry, 2, (4).
Greek Tragedy 3.
International Law, 2.
Mineralogy, 2.
Astronomy, 2.
Bible History and Ethics, 3.

Moral Philosophy, 4.
Art History, 1.
English Literature, 5.
Philosophy of History, 1.
History of Philosophy, 3.
Rhetoric, 2.
French Literature or Italian, 2.
German Literature, 2.
Const. History of England, 2.
Analytical Chemistry, 2, (4).
International Law, 2.
Mineralogy, 2.
Bible History and Ethics, 3.
Astronomy, 2

Moral Philosophy, 4.
Art History, 1.
Philosophy of History, 1.
English Literature, 5.
History of Philosophy, 3.
Rhetoric, 2.
French Literature or Italian, 2.
Const. History of England, 2.
Analytical Chemistry, 2, (4).
International Law, 2.
Mineralogy, 2.
Bible History and Ethics, 3.
Astronomy, 2.

Bridges and Roofs, 4.
Structural Drawing, 4, (8).
English Literature, 5.
Moral Philosophy, 4.
Art History, 1.
History of Philosophy, 3.
Philosophy of History, 1.
Rhetoric, 2.
French Literature or Italian, 2.
Const. History of England, 2.
Analytical Chemistry, 2, (4).
International Law, 2.
Mineralogy, 2.
Bible History and Ethics, 3.
Astronomy, 2.

THIRD TERM.

Art History, 1.
Christian Evidences, 5.
Constitutional Law, 3.
History of Civilization, 3.
German Literature, 2.
Analytical Chemistry, 3, (6).
Geology, 3.
French Literature, 2.
Italian Renaissance, 3.
Astronomy, 2.

Art History, 1.
Christian Evidences, 5.
Constitutional Law, 3.
History of Civilization, 3.
German Literature, 2.
Analytical Chemistry, 3, (6).
Geology, 3.
French Literature, 2.
Italian Renaissance, 3.
Astronomy, 2.

Art History, 1.
Christian Evidences, 5.
Constitutional Law, 3.
History of Civilization, 3.
Analytical Chemistry, 3, (6).
Geology, 3.
French Literature, 2.
Italian Renaissance, 3.
Astronomy, 2.

Stability of Structures, etc., 4.
Constitutional Law, 3.
Proj. Draw'g with Specifications, 5.
THESIS.
Christian Evidences, 5.
Art History, 1.
History of Civilization, 3.
Analytical Chemistry, 3, (6).
Geology, 3.
French Literature, 2.
Italian Renaissance, 3.
Astronomy, 2.

College of Medicine.

There are two systems of medical education in vogue in this country. One system opens its inviting arms, without discrimination, to every applicant for medical honors, whether he be the well trained and science-loving student, or an adventurer fresh from the forest, the anvil or the stable, whose whole literary education consists in a slight and perhaps contemptuous acquaintance with the rudiments of education.

This system requires the student to hear lectures every day on all the branches taught, the most advanced as well as the elementary. It compels him to listen to lectures on surgery, pathology, therapeutics and obstetrics, while as yet he knows not a syllable of anatomy, physiology and materia medica. It obliges him to waste many an hour every day of his scant first course in hearkening to what he cannot fully comprehend, when these hours are all needed in studies which are pre-requisite. Its second, which is its final course of lectures, is a repetition of the first, with slight variations.

Its first compulsory examination to test the faithfulness, ability and memory of the pupil is at the close of this twice-told course; and this examination is not infrequently so brief and superficial as to be of necessity, almost worthless. The great men of the profession, who were subjected to this system, became eminent not as a result of this system but in spite of it.

A better system with severe requirements would have given them a better start, and would also have excluded a host of incompetent and dangerous pretenders from the profession.

This better system of medical education, the natural or graded one, is no longer a dreamy speculation. It has been fairly tested, and it has been found efficient. Those who know

it best give it the heartiest approval. Its requirements for matriculation are, or should be, more and more exacting every year. Its written and oral examinations are frequent and thorough. Its yearly and final ordeals are very searching, but the students who have brains, application and faithfulness make a triumphant success. Even those whose natural capacity is not great, succeed remarkably. Under a natural system their mental growth is rapid and astonishing. At the last they seldom fail, because their time has been husbanded and properly employed; because their studies have been interesting and delightful, inasmuch as they have been thoroughly comprehended and mastered at every step of the way.

These two systems of medical education may be contrasted briefly thus:

In one case; no preliminary examination; only two short courses of lectures required, the second identical with the first; the novice required to attend lectures on every subject every day, neglecting preliminary work because the time which might have been devoted to it has been worse than wasted in hearing learned lectures which he was not prepared to understand; valuable clinical and laboratory opportunities wasted; no examinations to advance to higher grades, for there are no grades; a final examination which is so superficial in many instances as to be little better than a farce, and whose meshes are large enough to let mediocrity and inferiority, as well as the superiority, which is always present, pass through with greatest ease.

In the other case; preliminary examinations which require a certain, even if insufficient, preparation; three years of training at the college, the novice beginning at the beginning; all his time employed in hearing and doing what he can and should understand; his capability and progress tested in each department by weekly oral and monthly written examinations; his advance from grade to grade checked if his fitness be not established; thorough clinical and laboratory work; searching yearly examinations; and a final examination, which, although of great severity, does not, except in rare instances, result in rejection, because the student has been educated in a way which accords with nature and does not violate it.

The Faculty of the College of Medicine of Syracuse University have thoroughly tested both plans of medical education. An acquaintance with the defective old plan from personal experience and a trial of the natural, graded system, with a careful observation of its results, for fifteen years, have fairly qualified them to judge of the comparative merits of each method.

They unanimously and heartily commend the graded plan as vastly superior in all respects to the unnatural, cramming system—or want of system—so generally in vogue. Instead of rapid distention, it secures assimilation and healthy growth. It may have few attractions for that multitude who seem more anxious to obtain, early, a diploma than to deserve one; but it has proved of the greatest practical value to that smaller number of faithful and diligent workers who were determined to earn success whether they achieved it or not.

COURSE OF STUDY.

First Year: Anatomy, Physiology, Chemistry, Histology and Botany.

Second Year: Anatomy, Physiology, Medical Chemistry, Materia Medica, Practice, Surgery and Clinics.

Third Year: Therapeutics, Practice, Surgery, Obstetrics, Pediatrics, Pathology, Gynecology, Forensic and State Medicine, Opthalmology and Clinics.

First year students receive practical instruction in Chemistry, with a course of Laboratory work extending through both terms. Second year students take a shorter course in purely Medical Chemistry.

Laboratories have also been established for practical work in Histology and Comparative and Human Anatomy, and it is designed to equip a Physiological Laboratory in the near future.

OUTLINE OF COURSES.

Anatomy.—This branch is taught didactically and by practical exercises. The lectures are illustrated by specimens from the museum and fresh preparations made expressly for the

class, thus drilling the mind and eye of the student. The quizzes which supplement and fix the work of the class-room are reinforced by work in dissection. The first two years are devoted to this subject, and during this period not only are the bones, muscles, vascular and nervous systems studied, but regional anatomy is taken up.

The dissecting room is accessible to students at all times, and is supplied with ample conveniences of heat, light, running water, etc.

Since the passage of the law requiring all unclaimed bodies to be delivered to medical institutions, we have been enabled to secure an abundance of anatomical material; so that now we can offer better advantages than ever before in this direction.

PHYSIOLOGY.—This branch is taught by means of recitations and lectures illustrated by charts, microscopical and anatomical preparations, and frequent demonstrations on lower animals. The first year is devoted to nutrition and allied subjects, the second year to the nervous system, the special senses, and reproduction. Almost no time is given to theories, but physiological facts are carefully studied, and actual functions demonstrated when possible.

CHEMISTRY.—The chemical course is eminently practical and a large portion of the student's time during the first year is devoted to Laboratory work. The instruction includes the general principles of the subject, special stress, however, being laid upon physiological chemistry. The resources of the Laboratory are such that the student can make himself thoroughly familiar with all the methods of chemical manipulation by personal experiment. Medical chemistry and toxicology are taken up in the second year, and the subjects of urinary analysis, and detection of poisons, are thoroughly treated.

SCIENCE AND ART OF MEDICINE.—Each week, five didactic or clinical lectures will be given, and in accordance with the practice in every other department, an entire hour will be devoted to a careful oral or written examination.

These examinations have been found not only to fix the scientific principles and their practical application in the mem-

ory of the student, by necessitating frequent and thorough reviews of the preceding lectures, but to enable the teacher to test the proficiency of each pupil to ascertain and correct misapprehensions, and to elucidate and enforce what had been imperfectly understood.

Step by step the diligent student—already well fitted by an entire year's thorough training in anatomy and physiology—is advanced through his two years' course in medicine; assimilation and not cramming being the object in view.

Diagnosis is not confined to a dry enumeration of unexplained symptoms; but, as far as practicable, the *rationale* of all signs and symptoms is given and the relation of each to the morbid anatomy.

When to give active treatment, when to watch and wait, and why each individual drug in the prescription is selected are carefully pointed out and explained.

Abundant clinical material is furnished by the Hospitals and Free Dispensary of the city, where senior students make differential diagnoses and prescriptions in the presence of the class and under the supervision of the professors.

Surgery.—The instruction in this department is very largely clinical; though theory is by no means neglected. The manufacturing interests of Syracuse and the numerous railroads centering there give a large field for surgical work, and enable the student to see, and assist in, all forms of operations. Minor surgery also receives due attention; and the application of bandages, and various forms of surgical dressings are practically illustrated. St. Joseph's Hospital has an operating room second to none in the State. It is well lighted; its seats are commodious and so arranged that no student has any difficulty in witnessing each step of an operation. It is the practice of the faculty to request members of the graduating class to assist in operations, and thus familiarize themselves with operative procedures.

Materia Medica and Therapeutics are taught by lectures and recitations, which are illustrated by the various plants and medicinal substances of the Pharmacopæia provided by the museum.

Therapeutics is not only theoretically taught from the standpoint of the physiological action of drugs, but as far as possible the student is afforded an opportunity of observing and noticing the action of the various remedies in the clinics of the Hospital and Dispensary.

Histology.—The Histological Laboratory is equipped with all the apparatus for a thorough course on this subject. The instruction is given in the laboratory. It consists of lectures on and demonstrations of the construction and uses of the microscope; instruction as to the best methods of preparing tissues for microscopical study, how to stain and permanently mount specimens and section cuttings. These lectures are illustrated by plates, charts and sections, which are mounted during the lecture. These sections are demonstrated to each student individually by the instructor.

Pathology is taught by recitations and laboratory work. The pathological museum formerly in the Geneva College of Medicine, has been transferred to the medical department of the Syracuse University, where, with the additions that are from time to time being made it serves as an important means of instruction.

Opthalmology and Otology.—The course of instruction in Opthalmology and Otology consists of didactic and clinical lectures and recitations, occupying one hour or more weekly during the whole medical year. Members of the class will be required to examine and diagnose the cases.

Special attention will be drawn to those classes of cases which are more apt to come under the care of the general practitioner, and which can be efficiently treated by him.

Laryngology and Dermatology.—Clinical instruction in diseases of the throat and nose is included in the regular course of study. Each student is thoroughly drilled in the use of the Laryngoscope, and abundant material is furnished the class for examination and treatment.

There are two exercises weekly during the year, for the third class, in diseases of the skin combining clinical and theoretical instruction. Particular stress is laid upon diagnosis and treatment in the clinics.

Clinical Instruction.—The facilities for clinical study here afforded are unsurpassed except by the great medical centres of the country. St. Joseph's Hospital containing one hundred and three beds, and the House of the Good Shepherd with forty five beds, constantly furnish abundant material for the medical and surgical clinics. At those hospitals the student can see most of the major and all of the minor surgical operations performed according to the most approved methods. The medical cases are carefully described and explained in the wards, and an opportunity given to all members of the class to examine and study the cases personally.

The new maternity Hospital and the Onondaga County Orphan Asylum also give students opportunities for studying diseases of women and children.

In following the graded system, students of the first year who know nothing as yet of practice and surgery are not expected to attend clinics; by so much the opportunities of advanced students who do attend are bettered.

Each year one of the graduates is selected as house-physician to St. Joseph's Hospital.

BOOKS RECOMMENDED.

Text Books.	Collateral Reading.
Anatomy—Quain	Gray, Weisse, Holden.
Physiology—Foster, 1st year; Landois & Sterling, 1st ed., 2d year	Kirke, Flint.
Chemistry—Attfield, Tyson	Richter, Towne.
Science and Art of Medicine—Flint	Roberts Bartholow, Loomis, Strumpel Niemeyer.
Surgery—Bryant	International Encyclopædia of Surgery.
Materia Med. and Ther.—Wood, H. C.	Bartholow, Brunton.
Obstetrics—Lusk	Playfair, Galabin.
Gynæcology—Thomas	Emmet Munde.
Diseases of Children—Smith, J. Lewis	Meigs & Pepper, Goodhart, Money.
Histology—Klein	Klein & Smith, Atlas of Histology.
Pathology—Green	Ziegler, Cornil & Ranvier, Wagner.
Hygiene—Wilson	Parkes, Buck.
Opthalmology—Nettleship	Wells & Meyer.
Otology—Roosa	Politzer.
Dermatology—Duhring	Fox, Bulkley, Kaposi.

THE COLLEGE YEAR

Begins on the first Tuesday in October, and ends on the second Thursday in June. It is divided into two terms, about equal in length.

The first term of the College year begins Tuesday, October 2d, 1888, and ends on the second Tuesday of February, 1889. The second term commences on the day following, and ends on the second Thursday of June, 1889.

There are two vacations, one of a little more than one week at the holiday season, the other extending from the second Friday in March to the second Tuesday following.

EXAMINATIONS, &C.

Students are divided into three classes, according to their proficiency and time of study. The particular class to which a student belongs is determined by examination. The regular examinations are held in the following order: All students who enter for the regular course, are required to give evidence of a fair preliminary education. Those not bringing certificates from acceptable sources are examined in the common English branches and in Latin in the first four books of Cæsar's Commentaries. This preliminary examination is held at the College on the opening Tuesday afternoon in October at 3 o'clock. Examinations are also held near the beginning of each term for those who apply for advanced standing, or who have failed in previous examinations. At the close of each year, in June, examinations occur in all the studies of the year. The result, with the average standing for the year, determines whether the student shall advance to the next year. The First Year examinations in Histology, Botany and General Chemistry, and the Second Year examinations in Anatomy, Physiology, Medical Chemistry and Materia Medica, are final if successful. Special examinations, when ordered by the Faculty, may be held at any time to determine the standing of students who may enter after the beginning of either term, but private examinations for promotion to higher grades, are not permitted.

The above examinations are in writing, and the student is expected to attain a high standard of proficiency. In addition to these examinations, candidates for the degree are examined orally by a board of Censors who are not members of the Faculty, appointed by the State Medical Society, the Central New York Medical Association, and the County Medical Society.

Students who have already pursued the study of Medicine to some extent, may be examined and promoted to such advanced standing as their acquirements warrant.

Candidates for the Second Year will come prepared for examination on the bones, joints and muscles in Anatomy; on Nutrition in Physiology; on the Inorganic part of Attfield's Chemistry; all the elements of Histology, with thirty different objects prepared and mounted by themselves; and on the principles of Botany.

The above rules apply only to those who intend to take a full course in Medicine, and to offer themselves for the degree at this College.

Students from other departments of the University, or elsewhere, who may desire to receive instruction in one or more branches, and all who do not intend to offer themselves for graduation here, will be received at any time to pursue such studies as they may select.

REQUIREMENTS FOR GRADUATION.

To receive the degree of Doctor of Medicine, the student must have attained his majority; he must be of good reputation; at least the last of three full years of medical study must have been spent here; and he must pass the regular examination of the first, second and third years.

But official certificates of proficiency from schools with courses similar in plan and equal in extent with this, will be accepted in lieu of examination.

FEES AND EXPENSES.

For Matriculation, $5.00; Anatomy, $5.00; Tuition for each year, $80.00; for Graduation, $25.00. If payment is made for the three years in advance, the charge will be $200.00. Chil-

dren of *regular* physicians and the children of clergymen may avail themselves of a reduction of one-half from the above tuition fees. Students from other departments of the University are not required to pay the matriculation fee. Those not in the regular course, receiving instruction in one or two branches, are charged, after matriculation, $18.00 per term for a single study.

The fees are to be paid within ten days after registration. Notes are not received in payment of college dues. No degree can be conferred, or certificate of time given, until all dues to the College are paid. Graduates of this College have perpetual free admission. Graduates of less than three years, from other recognized Medical Schools, will be admitted on payment of the matriculation fee and $50.00 per year tuition.

The expenses of living are less in Syracuse than in many cities. Board can be obtained for $3.50 and upwards. Students are requested, on their arrival in the city, to call on the Janitor at the College, who will assist them in the selection of boarding places.

PRIZES.

Two prizes are conferred annually by the College; the first is given to that student who has the highest average general grade for the entire three years of study; the second to the one who has achieved the second rank in the general average for the three years.

SCHOLARSHIPS.

For $500, paid in advance, any person may obtain a certificate of scholarship that will entitle the holder to keep a student in the College for ten years from the date of said certificate. For $1,000, paid in advance, a certificate may be obtained that will entitle the holder to keep a student in the College perpetually.

For further information address the registrar, W. H. Dunlap, M. D., Syracuse, N. Y.

College of Fine Arts.

ORGANIZATION AND SCOPE.

The College of Fine Arts was established June 23d, 1873, and was inaugurated September 18th, following. It is intended that the scope of this College shall ultimately include instruction in all the Fine Arts, that is:

1. The *Formative Arts:* Architecture, Sculpture, Painting, Engraving, and the various forms of Industrial Art; and

2. The *Phonetic Arts:* Music, Oratory, Poetry, and Belles-lettres Literature.

At present, courses of instruction in Architecture, Painting, and Music only have been organized. Other courses will be organized as early as circumstances shall permit.

REQUIREMENTS FOR ADMISSION.

Candidates for admission to the course in Architecture are examined in English Grammar, Geography, American History, Arithmetic, Natural Philosophy, Algebra as far as to the Calculus of Radicals, plane Geometry, and Free Hand Drawing sufficient to represent the progress usually made by students in at least one year of thorough and systematic study.

Candidates for admission to the course in Painting are examined in English Grammar, Geography, American History, Arithmetic, Natural Philosophy, and Free Hand Drawing sufficient to represent the progress usually made in at least two years of thorough and systematic study.

Candidates for admission to the course in Music are examined in the same studies as for the course in Painting, with

the exception that two years of thorough and systematic study in Music replace the two years in Drawing.

Special students, i. e., those not proposing to graduate in either course, may enter at any time and take such branches of study as they are prepared to pursue with advantage to themselves, and without detriment to the classes.

EXAMINATIONS AND EXHIBITIONS.

Examinations for entrance and for promotion are in general coincident with those in the College of Liberal Arts. (See Calendar.)

An annual Exhibition of the works of Art produced by the students in Architecture and Painting during the year, is held during the last week of the collegiate year.

An annual concert is given by the students in Music, on the last Monday evening of the collegiate year. Other concerts are given from time to time during the year.

DEGREES.

Persons completing the course in Architecture receive the degree of *Bachelor of Architecture;* the course in Painting the degree of *Bachelor of Painting;* the course in Music, that of *Bachelor of Music;* Special students may receive certificates of progress and proficiency. Those desiring to do so may take one or more branches of the course in Music, without the accompany literary studies, and when completed may receive a certificate under the seal of the University.

A graduate in either of the above courses who shall have pursued professional work for three years after graduation may receive the second or Master's degree upon the following conditions: the presentation to the College of an approved original work in his particular branch of Art; examination in an approved course of reading in Esthetics and in the history of his department of Art; and the payment of a graduation fee of twenty-five dollars.

For expenses see index.

COURSES OF STUDY.

The following schedules exhibit the Courses of Study in Architecture, Painting and Music. A limited amount of substitution of other equally pertinent, but equally thorough and valuable study may be allowed in any of the courses. But it is required that a course shall be substantially covered before a diploma is given.

Course in Architecture.

Numerals indicate the number of lessons or lectures per week.

	FRESHMAN YEAR.	SOPHOMORE YEAR.	JUNIOR YEAR.	SENIOR YEAR.
First Term.	Linear Perspective, 5. Drawing from Patterns, 5. Drawing from the Solid, 3. Algebra, 4. German Language, 3.	Architectural Drafting, 2. Drawing from Nature, 3. Linear Perspective, 2. Water Color Painting, 2. Trigonometry, 4. Physics, 3.	Architectural Drafting, 5. Modeling, 3. Isometrical Perspective, 2. Esthetics, 1. Medieval History, 2. French Language, 4.	Architectural Drafting, 5. History of Architecture, 1. Classical Mythology, 1. Classical Archæology, 1. Strength of Materials, 5. Italian Language, 2. Geology, 3. Two Essays on Art.
Second Term.	Architectural Drafting, 3. Linear Perspective, 3. Drawing from Solids, 3. Shades and Shadows, 2. Algebra, 4. German Language, 3.	Architectural Drafting, 3. Linear Perspective, 2 Water Color Painting, 2. Descriptive Geometry, 3. Analytical Geometry, 4. Physics, 3.	Architectural Drafting, 5. Artistic Anatomy, 2. Etching, 2. History of Fine Arts in Outline, 1. Modern History, 3. French Language, 3. Chemistry, 4,	Architectural Drafting, 5. Decorative Art, 2. History of Sculpture, 1. Medieval Archæology, 1. Bridges and Roofs, 4. Italian Language, 2. Two Essays on Art.
Third Term.	Architectural Drafting, 3. Linear Perspective, 2. Drawing from Casts, 2. Shades and Shadows, 2. Geometry, 5. German Language, 5.	Architectural Drafting, 3. Lettering and Illumination, 2. India Ink and Sepia Drawing, 3. Modeling, 3. Calculus, 4. Botany, 2. Ancient History, 2.	Architectural Drafting, 4. Photography, 2. History of Fine Arts in Outline, 1. Topographical Drawing, 2. Analytical Mechanics, 5. French Language, 2. Modern History, 2.	Modern Architecture, 1. History of Painting, 1. Encyclopedia Art Literature, 1. Landscape Gardening, 1. Stability of Structures, 4. Project Drawing with Specifications. Graduating Thesis.

COURSE IN PAINTING

Numerals indicate the number of lessons or lectures per week.

	FRESHMAN YEAR.	SOPHOMORE YEAR.	JUNIOR YEAR.	SENIOR YEAR.
FIRST TERM.	Linear Perspective, 5, Drawing from the Flat, 5. German Language, 3. English Criticism, 1. Elocution, 1.	Drawing from Nature, 3. Water Color Painting, 5. Drawing from Casts, 2. German Language, 3. Medieval History, 2.	Oil Painting, 5. Drawing from Casts, 3. Modeling, 2. Esthetics, 1. French Language, 4.	Oil Painting, Landscape, 5. Drawing from Nature, 3. History of Architecture, 1. Classical Mythology, 1. Classical Archæology, 1. History and Styles of Engraving, 1. Italian Language, 2. Political Economy, 3. Two Essays on Art.
SECOND TERM.	Linear Perspective, Shades and Shadows, } 5. Drawing from Solids, 5. German Language, 3. English Criticism, 1. Elocution, 1.	Water Color Painting, 5. Artistic Anatomy, 5. Animal Drawing, 2. Modern History, 3.	Oil Painting, 5. Drawing from Casts, 2. Etching, 3. History of Fine Arts in Outline, 1. English Literature, 3. Chromatology, 2.	Oil Painting, Figure, 5. Drawing from Life, 4. Decorative Art, 2. History of Sculpture. 1. Italian Language, 2. Descriptive Geology and Lithology, 3. Two Essays on Art.
THIRD TERM.	Linear Perspective, Shades and Shadows, } 5. Drawing from Casts, 2. Drawing from Nature, 3. German Language, 5. Ancient History, 2.	Water Color Painting, 5. Drawing from Nature, 3. Modeling, 3. Botany, 3. Modern History, 2.	Oil Painting, Landscape, 5. Drawing from Life, 5. History of Fine Arts in Outline, 1. Photography, 2. Physics, 3.	Original Composition and Graduating Painting, 10. History of Painting, 1. Art Criticism, 1. Encyclopedia of Art Literature, 1. Christian Archæology and Symbolism in Art, 1. Graduating Thesis.

Course in Music.

Numerals indicate the number of lessons or lectures per week.

	FRESHMAN YEAR.	SOPHOMORE YEAR.	JUNIOR YEAR.	SENIOR YEAR.
First Term.	Piano, 2. Cultivation of the Voice, 1. Theoretical Rudiments, 2. Recital, 1. Italian Language, 2. English Criticism, 1. Elocution, 1. Chorus Singing, 1.	Piano, 2. Cultivation of the Voice, 1. Chorus Singing, 1. Violin, 2. Recital, 1. History of Music, 1. Modulation, 2. Medieval History, 2. German Language, 3.	Piano, 2. Cultivation of the Voice, 2. Chorus Singing, 1. Violin, 2. Recital, 1. History of Music, 1. Organ, 1. Chords and Figuration, 2. French, 4.	Piano, 2. Polyphonic Forms Mus. Comp., 1. Cultivation of the Voice, 2. Chorus Singing, 1. Violin, Quartet Playing, 2. Recital, 1. Ensemble Playing, 1. Organ, 1. German or Physics, 3. Esthetics, 1. Two Essays on Art.
Second Term.	Piano, 2. Cultivation of the Voice, 1. Chorus Singing, 1. Harmony, 2. Recital, 1. Italian Language, 2. English Criticism, 1. Elocution, 1.	Piano, 2. Cultivation of the Voice, 1. Chorus Singing, 1. Violin, 2. Recital, 1. History of Music, 1. Modulation, 2. Modern History, 3. German Language, 3.	Piano, 2. Cultivation of the Voice, 2. Chorus Singing, 1. Violin, 2. Recital, 1. History of Music, 1. Organ, 1. Smaller Forms of Musical Comp., 2. French, 3. English Literature, 3.	Piano, 2. Cultivation of the Voice, 2. Chorus Singing, 1. Violin, Solo Playing, 2. Recital, 1. Ensemble Playing, 1. Organ, 1. Counterpoint and Fugue, 1. History of the Fine Arts, 1. Two Essays on Art.
Third Term.	Piano, 2. Cultivation of the Voice, 1. Chorus Singing, 1. Harmony, 2. Recital, 1. Ancient History, 2. English Criticism, 1. Elocution, 1.	Piano, 2. Cultivation of the Voice, 1. Chorus Singing, 1. Violin, 2. Recital. 1. History of Music, 1. Modulation, 2. German Language, 5.	Piano, 2. Cultivation of the Voice, 2. Violin, 2. Recital, 1. History of Music, 1. Chorus Singing, 1. Organ, 1. Smaller Forms of Musical Comp., 2. French, 2. Elocution, 1. English Criticism, 1.	Piano, 2. Cultivation of the Voice, 2. Chorus Singing, 1. Violin, 1. Recital, 1. Ensemble Playing, 1. Organ, 1. History of the Fine Arts, 1. Encyclopedia of Musical Lit., 1. Graduating Thesis.

SUBJECTS AND METHODS

—OF—

Instruction in Architecture and Painting.

The courses of study already established include systematic and progressive instruction in the theory, the history, and the practice of Architecture and Painting, and in those branches of mathematics, natural science, history, language and philosophy which bear most intimately and directly upon these arts, and without a knowledge of which success in the higher domain of art is impossible. The other Colleges of the University furnish excellent opportunities to those students who may desire to pursue other studies related to the Fine Arts than those included in the courses of this College.

The professors are practical workers in their several departments. The students will have access to their studios and offices, and will have an opportunity of witnessing works of art in process of completion by their hands or under their direction.

It is the aim to develop the talents of the students in such a way that each student shall retain his individuality of character and manner, and not to mold after the same arbitrary method.

Freehand Drawing.

Freehand drawing is taught extensively in the courses in Architecture and Painting, as giving the only basis for accuracy in observing nature and art, and to secure freedom and

precision in delineating and executing designs. Freehand Drawing is continued as a required exercise during nearly the entire course in Painting.

A large collection of copies has already been formed from the best series that are employed in the art schools of England, France and Germany. These include every variety of subjects such as flowers, fruit, foliage, landscape, animals, the human figure, artistic anatomy, classical compositions, household furniture, architectural ornamentations and designs for various branches of industrial art. Drawing from objects, from nature, from memory and from original design is introduced in such variety, sequence and extent, as is fitting to the several students. While instruction is given to all in the use of the lead-pencil, the pen, charcoal, crayon, Indian ink and sepia, the students are left largely to their own tastes in the selection of the chief instrument and the manner of executing their own drawing.

Architectural Drafting.

Under this general term in the schedule of studies, is included instruction in the following subjects: the use of drafting instruments; the drawing of plans, elevations, sections, ornaments, details and working drawings; the principles of taste in their application to architectural composition; the study of works finished or in progress, and the sketching of completed buildings; the appropriate and economical use of building materials; the principles and processes of construction; the laws and usages in drawing up contracts and specifications, in making estimates and measurements, and in superintending the erection of buildings. These subjects will be introduced in such sequence as may be found desirable with particular students and classes. Instruction is also given in the principles and practice of Decorative Art in its special relations to Architecture, and of Landscape Gardening and Architecture.

Oil Painting.

As by far the larger portion of modern painters devote themselves mostly to painting in oil colors, much longer time

is appropriated in the curriculum to instruction in Oil Painting than in Water Color Painting. With such students as may prefer it, however, an equivalent time may be substituted in whole or in part, to study in water colors, instead of oil colors. Instruction is given in the use of colors, the principles of technical execution, and the laws of composition; at the same time students are left to develop originality and individuality of style, and to decide whether to devote themselves to any particular branch of painting, such as flower, fruit, animal, still life, portrait, genre, or landscape painting, or to divide their time among several of these branches.

Linear Perspective.

Linear Perspective is taught scientifically and practically during the first two years of both courses of study. Thus precision of form is taught in connection with the greater liberty of motion acquired in Freehand Drawing. The projection of Shades and Shadows is taught as a sequence to the projection of the forms of solid bodies.

Modeling.

Instruction is given in all the processes of Modeling in clay, of making Molds, and of making casts in plaster. Prominence is given to modeling as a most important means of cultivating a feeling for solid form. To a certain extent, this may be substituted for Freehand Drawing in both courses.

Etching.

As a means of rapidly multiplying the original designs of the artist, no process is more delicate and forcible than Etching. The manipulations of this form of engraving are taught both theoretically and practically. Students are also taught the mode of printing etchings, by an excellent press.

Photography.

As a valuable aid to the architect, and more especially to the painter, photography is included in the studies of both cur-

riculums. Any person wishing to secure a complete education as a photographic artist may substitute extended practice in art, for a large portion of this study assigned to oil painting, in the course in Painting, and on completing this course may receive the degree of Bachelor of Painting.

Esthetics.

Instruction is given by lectures in the general principles of the science of esthetics, which gives the foundation of all the Fine Arts. The principles of Art Criticism which apply especially to Architecture and Painting are treated more at length n separate courses of lectures.

History of the Fine Arts.

A course of lectures is given upon the History of the Fine Arts in outline, in which are traced the leading features of the Fine Arts, as a whole, as they have manifested themselves in history, and the relation which these arts have held to other elements of civilization. Courses of lectures are also given upon the special history of Architecture, Sculpture and Painting.

Classical Mythology and Archæology.

Courses of lectures are given upon the Mythologies of the Ancient Egyptians, Greeks and Romans, with special reference to their illustration in ancient art, and upon the leading features of Classical Archæology, and the geographical distribution of monuments of ancient art.

Christian and Medieval Archæology.

Courses of lectures are given upon Christian Archæology, in which are traced the origin and development of symbolism and the illustration of Christian Doctrine in the Fine Arts; and upon the general principles of Medieval Archæology.

Essays.

During the first and second terms of the Senior Year each student presents two essays of not less than six hundred words each, upon subjects relating to the Fine Arts, and during the last term a thesis of not less than a thousand words, upon some subject relating to the Fine Arts; written upon paper of designated size, to be preserved in the archives of the College.

Art Literature.

A course of lectures is given upon the Encyclopedia of Art Literature, consisting of critical remarks and dissertations upon the characteristic features, the relative value, the date and place of publication, the present cost, and the authorship of the most important publications, both books and periodicals, which have been issued in Europe and America upon Esthetics, and the history, theory and practice of the Formative Arts.

Related Studies.

The proximity of the College of Liberal Arts renders it possible to insert from its courses studies essential to the complete education of the architect and the painter, both as artists and persons of general culture. To a limited extent, other studies from the College of Liberal Arts may be substituted for those designated in the schedules.

The College of Medicine offers excellent opportunity to such students as may desire to make more extensive studies in human and comparative anatomy.

Museum.

As a nucleus to a museum there have been procured, mostly from Europe, several thousand engravings, photographs and chromo-lithographs, illustrating the methods of production, and many of the chief historic works in architecture, sculpture, painting, and the industrial arts. A sufficient number of architectural and other casts have been procured to meet the

immediate wants of the College. Every candidate for graduation in the Course in Architecture is required to leave in the College an original Project Drawing, with specifications, before the diploma is given; an original Graduating Painting is in like manner required of the candidates in the Course in Painting.

Library and Reading Room.

As a nucleus to a library of the Fine Arts, valuable books and periodicals have already been gathered, to which additions will be made from time to time, as circumstances shall permit. Several of the most important art journals are provided in the Reading Room, thus enabling the student to have access to the latest criticisms in art, and to information concerning all important recent works upon the subject.

Esthetic Society.

An Esthetic Society has been organized by students of the College for mutual improvement, and for esthetic and social culture. During the spring and fall terms, sketching excursions are made by the society amid the picturesque scenery which abounds in the vicinity of Syracuse.

Subjects and Methods of Instruction in Music.

This course of study includes systematic and progressive instruction in the theory, history and practice of Music, and is arranged with a view to enable the student to become an accomplished musician.

Other instruments as the violin, viola, violoncello, cornet or clarionet, may be substituted for the piano, after the Freshman year; the organ after the Sophomore year.

Vocal instruction may take the place of instrumental after the Sophomore year.

The study of vocal music for one year will be required of all who propose to graduate in the Course of Music.

Various accessory branches of study are introduced, which have a more or less intimate connection with the art of Music, and which also have a relation to general liberal culture. These are hygiene, physics, elocution, rhetoric, English literature; the French, German and Italian languages; ancient, medieval and modern history, and the history of civilization; the science of esthetics and the general history of the Fine Arts. The same latitude for substitution for these accessory studies, is permitted as in other courses.

The Piano.

Lessons on the piano are given in small classes with such private instruction as is deemed necessary to secure the best progress of the student.

This course is divided into Gymnasial and Collegiate.

1. Gymnasial Department.—This department is intended for students beginning piano, and for those who are not sufficiently advanced to enter the collegiate classes.

First Year. The first few weeks are devoted to the formation of a correct touch by means of technical exercises, after which Lebert & Stark's Method, first part, Köhler's Practical Piano School or Jacques Schmidt's Erster Lehrmeister is used. Also studies by Loeschorn, Lemoine, Bertini, and occasionally Sonatinas by Clementi, Krause and others are given.

Second Year. Plaidy's Technical Studies or Herz's Scales and Chords; Lemoine op. 37, Book II; Loeschhorn op. 65, Book III; Duvernoy op. 120; Burgmüller op. 100; Köhler's Progressive Studies, and easy pieces by Gurlitt, Biehl, Lichner, Kuhlau and others.

2. COLLEGIATE COURSE. To enter this course students who have prepared elsewhere are required to show a knowledge of the simple scales and arpeggios, also to perform a composition of their own selection, and to read an easy Sonatina at sight.

Freshman Year. Heller op. 47; Czerny or Köhler's School of Velocity; Bertini op. 29 and 32; Loeschhorn's Progressive Studies; Krouse's Trill Studies op. 2; Doering op. 8; Easy Sonatas by Haydn, Dussek, Mozart and Clementi, and selections from the work of other masters suitable to this grade.

Sophomore Year. Heller op. 45 and 46; Czerny op. 740, books I and II; Bach 2 Voiced Inventions; Loeschhorn op. 38; Köhler's Arpeggio School op. 186; Czerny's Staccato and Legato Studies op. 335; Sonatas by Mozart, Beethoven; Mendelssohn's Songs without Words; Chopin's Mazurka's and Nocturnes; together with works of Raff, Rheinberger, Bendel, Gade, Scharwenka, Moszkowsky, and other modern composers.

Junior Year. Cramers Studies (Von Bülow); Heller's Art of Phrasing; Clementi Gradus ad Parnassum; Bach 3 Voiced Inventions; Moscheles op. 70; Czerny Fingerfertigkeit, books III and IV; Köhler's Special Studies; Kullak and Loeschhorn Octave Studies; the more difficult Sonatas of Beethoven; the larger compositions of Chopin and Mendelssohn; Concertos by Mozart, Hummel; selections from Weber, Schumann, Schubert, Dupont, Bennett and others.

Senior Year. Chopin, Etudes; Bach, well tempered Clavichord; Tausig, daily studies; Henselt, Etudes; Saint Saens, op. 52; Concertos and concerted pieces by Beethoven, Men-

delssohn, Chopin, Rubinstein and Henselt; also works of Grieg, Brahms, Liszt, Tschaikowski, etc.

Students of this grade have the opportunity of taking part in ensemble playing.

The Violin.

For beginners, the 1st part of the Violin Schools, by either Louis Schubert, Carl Henning, Edm. Singer, or Hermann is used, and when necessary there are introduced easy arrangements of melodious pieces for Violin with Piano accompaniment, such as Melodien Sammlung by H. Urban, etc., Selections from easy Duets for two violins by Pleyel, Gebauer or Nazas. To be followed by part II. of Henning's Violin School, Baillot's Scales in two Octaves; Etudes by Ferd. David, op. 45 or 1st part of Gradus ad Parnassum, by Jacques Dont; and by easy Solos by Alard, Hermann, de Beriot and others. Compositions for Violin and Piano are introduced as soon as practicable. Selections from the following are made according to the ability of the student; Dussek's Sonatas for Piano with added Violin part; Sonatas for Piano and Violin by F. Schubert, Hauptmann, Haydn and Mozart; Beethoven's Serenade op. 8, arranged for Piano and Violin, etc.; Later, Part III. of Henning's Violin School; Scales in three Octaves, by F. Hüllweck, Part I. of his 25 Studies for the Violin; Schradieck's Violin Technic and Tonleiterstudien; the studies by Kreutzer, Fiorillo, Rovelli and Rode; Concertos by Viotti or Rode; Solos by David, Alard, De Beriot; Duettos by Viotti or Spohr. Lastly the 24 Etudes by Gavinie, Alard's 10 Etudes Artistiques op. 19 and Abel's adaptation for the Violin of Cramer's famous Piano Studies; Concertos by Mendelssohn, Beethoven, Spohr, Molique and Max Bruch; Sonatas for violin by Bach; Solos by Vieuxtemps, Ernst, Wieniawski, Sarasate and other modern composers.

The Organ.

As the most practical method of preparing for the study of the Organ, the students will devote the first two years to practicing upon the Piano.

Ritter's Art of Organ Playing will be used, supplemented by compositions of the German, French and English Schools.

There is an excellent Pipe Organ, built by Johnson & Son, in the University Chapel, upon which instruction is given, thus affording students ample opportunity for the study of this instrument.

Cultivation of the Voice.

This important branch of musical instruction receives careful attention. Students are trained either singly or in classes, and in the classes ample opportunity is afforded for the individual student to observe the efforts of others and to hear the criticisms of the Professor upon their exercises. The development of the same timbre and beauty of tone throughout the entire voice, correct breathing, correct vowel formation, articulation and pronunciation first receive attention.

Federlein's Practical School of Voice Culture is employed. Subsequently, Vocalises of Concone, Sieber, Abt, Panofka and others are added, and the works of the best German, Italian and French song writers interpreted as the student's ability may warrant.

Chorus Singing.

The class for the practice of chorus singing meets once a week. Any student of the University may join this class. Compositions of sacred and secular character are carefully practiced.

Recitals.

All students of music are required to be present at the weekly recitals, at which every student may be called upon to perform at least once each term. Critical remarks are made by the Professors upon the merits of the pieces rendered, and their relations to other works by the same or other authors.

Theory of Music.

The theory of Music, embracing Harmony, Musical Forms, Counterpoint and Fugue is taught in Classes. Goetschius'

Materials of Composition and Stainer's Treatise on the Fugue are used. Instruction is given by lectures, with abundant illustrations, and explanations upon the blackboard, of which the candidates for graduation are required to make careful digests.

Orchestral Practice.

Opportunity for orchestral practice is frequently given to such students upon the organ, piano, violin or other instrument, as are qualified to take part in it.

History of Music.

Lectures are given upon the History of Music during the entire Sophomore and Junior years. Readings are also appointed for the classes, between the lectures.

Euterpe Society.

The students of music have organized a Euterpe Society, which meets fortnightly for mutual improvement in musical and social culture. At the meetings essays and selections are read, and musical selections are rendered by the members.

Professional Concerts.

Arrangements are frequently made whereby the students of music can at reduced rates, attend professional concerts, of which a large number are given in Syracuse.

Teaching.

Opportunity will be given to advanced students who are fully qualified to do so, to assist in instructing the preliminary classes in Music, for the purpose of giving pedagogic experience under the supervision of the Faculty.

CALENDAR.

1889.

January 8, *Tuesday*, Winter term begins.
" 31, *Thursday*, Day of Prayer for Colleges.
February 7, *Thursday*, 8 P. M., Senior Orations.
" 12, *Tuesday*, First term of the College of Medicine ends.
" 13, *Wednesday*, Second term of the College of Medicine begins.
March 7, *Thursday*, 8 P. M., Senior Orations.
March 29, April 2, *Friday—Tuesday*, Term examinations.
April 2, 3, *Tuesday, Wednesday*, Supplementary examinations.
April 9, *Tuesday*, Spring term begins.
May 1, *Wednesday*, Seniors present their Commencement Orations.
June 5–7, *Wednesday—Friday*, Final examinations of Seniors.
" 13, *Thursday* Second term of the College of Medicine ends.
" 18–20, *Tuesday—Thursday*, Term examinations.
" 20, 21, *Thursday, Friday*, Supplementary examinations.
" 22, *Saturday*, 10 A. M., Annual Meeting of University Senate.
" 23, *Sunday*, 10½ A. M., Baccalaureate Sermon.
" 24–26, *Monday—Wednesday*, Annual Exhibition of Works of Art produced during the year.

June 24, *Monday*, 2 P. M., Entrance examinations begin.
2 P. M., Class Day exercises.
8 P. M., Annual Musical Soirée.
" 25, *Tuesday*, 10 A. M., Annual Meeting of Trustees.
10 A. M., Annual Meeting of Alumni Association.
7½ P. M., Literary Meeting of Alumni Association in the Chapel.
" 26, *Wednesday*, 2 P. M., COMMENCEMENT.
" 27, *Thursday*, Summer Vacation begins.
September 16, *Monday*, 2 P. M., Entrance examinations begin.
" 19, *Thursday*, Fall term begins. Students assemble in Chapel at 9:30 A. M.
October 1, *Tuesday*, First term of the College of Medicine begins.
" 30, 31, *Wednesday*, *Thursday*, Examinations for rank.
November 14, *Thursday*, 8 P. M., Senior Orations.
" 28–30, *Thursday—Saturday*, Thanksgiving Recess.
December 12, *Thursday*, Senior Orations.
" 17–19, *Tuesday—Thursday*, Term examinations.
" 19, 20, *Thursday*, *Friday*, Supplementary examinations.
" 20, *Friday*, Fall term ends. Holiday Recess begins.

1890.

January 7, *Tuesday*, Winter term begins.
" 30, *Thursday*, Day of Prayer for Colleges.
February 6, *Thursday*, 8 P. M., Senior Orations.
" 11, *Tuesday*, First term of the College of Medicine ends.
" 12, *Wednesday*, Second term of the College of Medicine begins.
March 6, *Thursday*, 8 P. M., Senior Orations.

1896.

March 28–April 1, *Friday—Tuesday*, Term examinations.

April 1, 2, *Tuesday*, *Wednesday*, Supplementary examinations.

" 8, *Tuesday*, Spring term begins.

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